



February 14, 2019

DVP-10005

Air Division Director  
U.S. Environmental Protection Agency  
Attn: AIR-5  
75 Hawthorne Street  
San Francisco, California 94105

Subject: Desert View Power monitoring report for six month period August 02, 2018 to February 02, 2019.

Dear Sir:

In compliance with our permit, Permit No. CB-OP 99-01, enclosed is the monitoring report for the six month period of August 02, 2018 to February 02, 2019 for Desert View Power

- Form sixmon – 6-Month Monitoring Report Parts A through E inclusive.
- Form CTAC.
- Excess Emissions and inoperative report August 02, 2018 to February 02, 2019.
- Monthly reports for August 2018 through February 2019 will be retained on site.
- Copy of 500N AQMD form completed during reporting period.

If you have questions or comments, please feel free to call us at (760) 262-1653.

Sincerely,

A handwritten signature in black ink, appearing to read "James Russell Huffman".

James Russell Huffman

Vice- President of CA operations / Plant Manager



Air Pollution Control Officer

Attention: Mr. David Jones, AQMD Supervisor

South Coast Air Quality Management District

21865 E. Copely Drive

Diamond Bar, CA 91765-4182

## U.S. ENVIRONMENTAL PROTECTION AGENCY

## APPLICATION FOR FEDERAL OPERATING PERMIT, 40 CFR PART 71

## APPLICATION FORM CTAC - CERTIFICATION OF TRUTH, ACCURACY, AND COMPLETENESS BY RESPONSIBLE OFFICIAL

INSTRUCTIONS: One copy of this form must be completed, signed, and sent with each submission of documents (i.e., application form IS, updates to applications, reports, or any information required by a part 71 permit).

## A. Responsible Official

Name: (Last) Huffman (First) James (MI) R

Title Vice President of California Operations/Facility Manager

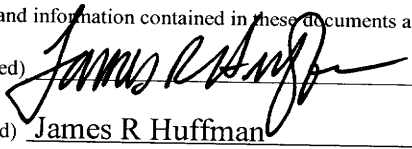
Street or P.O. Box 62-300 Welmas Dr

City Mecca State CA ZIP 92254

Telephone (760) 396-2554 Ext. 115 Facsimile (760) 396-0410

## B. Certification of Truth, Accuracy and Completeness (to be signed by the responsible official)

I certify under penalty of law that, based on information and belief formed after reasonable inquiry, the statements and information contained in these documents are true, accurate and complete.

Name (signed)  Date: 2/15/2019

Name (typed) James R Huffman Date: 2/15/2019

## U.S. ENVIRONMENTAL PROTECTION AGENCY

## FORMS FOR FEDERAL OPERATING PERMITS PROGRAM, 40 CFR PART 71

FORM. SIXMON - 6-MONTH MONITORING REPORT

A-Identifying Information. All facilities must complete this section.

Source or company name Desert View Power

Mailing address: Street or P.O. Box 62-300 Gene Welmas Dr PO Box 758

City Mecca

State: CA ZIP 92254-0758

Contact person: James Russell Huffman Title: VP of California Operations / Facility Manager

Telephone(760) 396-2554\_ Ext. 115

Part 71 permit no. CB-OP 99-01

B. Reporting Period. You must complete this section. The reporting period should be the 6-month, or shorter period, required by your part 71 permit.

It will be assumed that the beginning date begins and ends at Midnight (12 A.M.), unless you specify otherwise.

Period beginning: 08/02/2018

Period ending: 02/02/2019

---- CONTINUED ON NEXT PAGE ---

All sources must complete this section. Use the table below to summarize all required monitoring, data, or analyses for the 6-month (or shorter) period specified in your permit. In the first column, describe the monitoring, data, or analysis and cross-reference the relevant permit term. In the second column, list the emission units (Unit IDs) upon which the monitoring was performed. Use any Unit IDs assigned in the permit, if no IDs in permit, generally describe. You may list multiple units if all subject to the same monitoring requirements. In the third column indicate whether a separate monitoring report is required. Lastly, complete the fourth column only if you are required to submit a separate monitoring report. If submitted previously, indicate the date you submitted it; if submitted for the first time as an attachment to this form, assign an attachment identification (ID), mark the attachment with that ID, and attach the separate monitoring report to this form.

[illegible]

### Pemlit Tenn for Which There is a Deviation

Permit Tenn for Which There is a Deviation	Emission Units (unit IDs)	Deviation Time Periods			Written Deviation Report Submittal Date (mo/dv/year)
		Date (mo/day/yr)	Time (hr/min)	Time Zone	
All deviations are listed under "E" of this report.		Beginning			
		Ending			
		Beginning			
		Ending			
		Beginning			
		Ending			
		Beginning			
		Ending			
		Beginning			
		Ending			
		Beginning			
		Ending			

## Form SIXMON Continued

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## E. Other Deviations From Permit Terms

All sources must complete this section. Answer questions 1 through 5 below as a group for each deviation from permit terms that is required to be reported for the first time in this monitoring report form. This page may be used to report three separate deviations. Copy of this page as many times as necessary to include all such deviations. Include all such deviations, including those that occur during startup, shutdown, malfunctions, and upset conditions. Question 1: describe and cross reference the permit terms for which there is a deviation. Question 2: list Emission unit ID (if not available, identify by some other method) where the deviation occurred. Question 3: Report the beginning and ending times for each deviation, use the 24-hour clock. Question 4: Briefly explain (if known) the probable cause of each deviation from permit terms. Question 5: If any corrective actions or preventative measures were taken to avoid these same types of deviation at the same emissions units, briefly describe them. If known include dates when such actions or measures were taken or will be taken in the future.

1. Permit Term for Which There is a Deviation: <b>"See attached pages"</b> <b>Permit Condition II. E. 2</b>	2. Emission Units (unit IDs): <b>01</b>	3 Time Period: Date (mo/day/yr) Time (hr:min) Time Zone Beginning <u>  /  /  </u> Ending <u>  /  /  </u>
4. Probable Cause of Deviation:	5. Corrective Actions or Preventive Measures Taken:	
1. Permit Term for Which There is a Deviation:	2. Emission Units (unit IDs):	3 Time Period: Date (mo/day/yr) Time (hr:min) Time Zone Beginning <u>  /  /  </u> Ending <u>  /  /  </u>
4. Probable Cause of Deviation:	5. Corrective Actions or Preventive Measures Taken:	
1. Permit Term for Which There is a Deviation:	2. Emission Units (unit IDs):	3 Time Period: Date (mo/day/yr) Time (hr:min) Time Zone Beginning <u>  /  /  </u> Ending <u>  /  /  </u>
4. Probable Cause of Deviation:	5. Corrective Actions or Preventive Measures Taken:	

## Boiler 1 Excess Emissions

Colmac Energy

NOx ppm @3% O2 3-Hr Rolling Excess Emissions for 8/2/2018 thru 2/2/2019

Parameter	Start	End	Duration	Value	Min	Max	Limit	Reason	Action
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*There are no excess emissions for this report.*

## Boiler 1 Excess Emissions

Colmac Energy

NOx lb/mmmbtu 30 SOD Rlg Avg Excess Emissions for 8/2/2018 thru 2/2/2019

Parameter	Start	End	Duration	Value	Min	Max	Limit	Reason	Action
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*There are no excess emissions for this report.*

## Boiler 1 Excess Emissions

Colmac Energy

NOx lb/hr 3-Hr Rolling Excess Emissions for 8/2/2018 thru 2/2/2019

Parameter	Start	End	Duration	Value	Min	Max	Limit	Reason	Action
NOx lb/hr 3-Hr Rolling	11/13/2018 12:00 PM	12:59 PM	1 hour	31.0	31.0	31.0	30	High NOx reading after calibrations.	Increased ammonia flow to lower 3hr average.
Total duration			1 hour						

## Boiler 1 Excess Emissions

Colmac Energy

NOx lbs/day Excess Emissions for 8/2/2018 thru 2/2/2019

Parameter	Start	End	Duration	Value	Min	Max	Limit	Reason	Action
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*There are no excess emissions for this report.*

## Boiler 1 Excess Emissions

Colmac Energy

SO2 ppm @3% O2 3-Hr Rolling Excess Emissions for 8/2/2018 thru 2/2/2019

Parameter	Start	End	Duration	Value	Min	Max	Limit	Reason	Action
SO2 ppm @3% O2 3-Hr Rolling	8/19/2018 9:00 PM	11:59 PM	3 hours	31.0	27.0	35.0	27	Limestone not restarted after trip	Restarted system
Total duration			3 hours						

## Boiler 1 Excess Emissions

Colmac Energy

SO2 ppm @3% O2 30 SOD Rlg Avg Excess Emissions for 8/2/2018 thru 2/2/2019

Parameter	Start	End	Duration	Value	Min	Max	Limit	Reason	Action
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*There are no excess emissions for this report.*

## Boiler 1 Excess Emissions

Colmac Energy

SO2 lb/mmbtu 30 SOD Rlg Avg Excess Emissions for 8/2/2018 thru 2/2/2019

Parameter	Start	End	Duration	Value	Min	Max	Limit	Reason	Action
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*There are no excess emissions for this report.*

## Boiler 1 Excess Emissions

Colmac Energy

SO2 lb/hr 3-Hr Rolling Excess Emissions for 8/2/2018 thru 2/2/2019

Parameter	Start	End	Duration	Value	Min	Max	Limit	Reason	Action
SO2 lb/hr 3-Hr Rolling	8/19/2018 10:00 PM	11:59 PM	2 hours	14.0	13.0	15.0	12	Limestone not restarted after trip	Restarted system
SO2 lb/hr 3-Hr Rolling	12/9/2018 9:00 AM	9:59 AM	1 hour	12.0	12.0	12.0	12	Combustion of fuel with Sulfur impurities.	Raised O2, reduced fuel, and fed more limestone.
Total duration			3 hours						

## Boiler 1 Excess Emissions

Colmac Energy

CO ppm @3% O2 3-Hr Rolling Excess Emissions for 8/2/2018 thru 2/2/2019

Parameter	Start	End	Duration	Value	Min	Max	Limit	Reason	Action
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*There are no excess emissions for this report.*

## Boiler 1 Excess Emissions

Colmac Energy

CO lb/hr 3-Hr Rolling Excess Emissions for 8/2/2018 thru 2/2/2019

Parameter	Start	End	Duration	Value	Min	Max	Limit	Reason	Action
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*There are no excess emissions for this report.*

## Boiler 2 Excess Emissions

Colmac Energy

NOx ppm @3% O2 3-Hr Rolling Excess Emissions for 8/2/2018 thru 2/2/2019

Parameter	Start	End	Duration	Value	Min	Max	Limit	Reason	Action
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*There are no excess emissions for this report.*

## Boiler 2 Excess Emissions

Colmac Energy

NOx lb/mmbtu 30 SOD Rlg Avg Excess Emissions for 8/2/2018 thru 2/2/2019

Parameter	Start	End	Duration	Value	Min	Max	Limit	Reason	Action
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*There are no excess emissions for this report.*

## Boiler 2 Excess Emissions

Colmac Energy

NOx lb/hr 3-Hr Rolling Excess Emissions for 8/2/2018 thru 2/2/2019

Parameter	Start	End	Duration	Value	Min	Max	Limit	Reason	Action
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*There are no excess emissions for this report.*

## Boiler 2 Excess Emissions

Colmac Energy

NOx lbs/day Excess Emissions for 8/2/2018 thru 2/2/2019

Parameter	Start	End	Duration	Value	Min	Max	Limit	Reason	Action
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*There are no excess emissions for this report.*

## Boiler 2 Excess Emissions

Colmac Energy

SO2 ppm @3% O2 3-Hr Rolling Excess Emissions for 8/2/2018 thru 2/2/2019

Parameter	Start	End	Duration	Value	Min	Max	Limit	Reason	Action
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*There are no excess emissions for this report.*

## Boiler 2 Excess Emissions

Colmac Energy

SO2 ppm @3% O2 30 SOD Rlg Avg Excess Emissions for 8/2/2018 thru 2/2/2019

Parameter	Start	End	Duration	Value	Min	Max	Limit	Reason	Action
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*There are no excess emissions for this report.*

## Boiler 2 Excess Emissions

Colmac Energy

SO2 lb/mmbtu 30 SOD Rlg Avg Excess Emissions for 8/2/2018 thru 2/2/2019

Parameter	Start	End	Duration	Value	Min	Max	Limit	Reason	Action
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*There are no excess emissions for this report.*

## Boiler 2 Excess Emissions

Colmac Energy

SO2 lb/hr 3-Hr Rolling Excess Emissions for 8/2/2018 thru 2/2/2019

Parameter	Start	End	Duration	Value	Min	Max	Limit	Reason	Action
SO2 lb/hr 3-Hr Rolling	8/24/2018 4:00 PM	4:59 PM	1 hour	13.0	13.0	13.0	12	High SO2 in fuel.	Backed down load and fuel for short period.
Total duration			1 hour						

## Boiler 2 Excess Emissions

Colmac Energy

CO ppm @3% O2 3-Hr Rolling Excess Emissions for 8/2/2018 thru 2/2/2019

Parameter	Start	End	Duration	Value	Min	Max	Limit	Reason	Action
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*There are no excess emissions for this report.*

## Boiler 2 Excess Emissions

Colmac Energy

CO lb/hr 3-Hr Rolling Excess Emissions for 8/2/2018 thru 2/2/2019

Parameter	Start	End	Duration	Value	Min	Max	Limit	Reason	Action
CO lb/hr 3-Hr Rolling	12/4/2018 12:00 AM	5:59 AM	6 hours	14.0	13.0	14.0	13	Cal gas regulator failed.	Cal gas regulator replaced, and back in service.
Total duration			6 hours						

## Boilers Stack Excess Emissions

Colmac Energy

Opacity % 3-Min Avg Excess Emissions for 8/2/2018 thru 2/2/2019

Parameter	Start	End	Duration	Value	Min	Max	Limit	Reason	Action
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*There are no excess emissions for this report.*

## Boilers Stack Excess Emissions

Colmac Energy

Opacity % 6-Min Avg Excess Emissions for 8/2/2018 thru 2/2/2019

Parameter	Start	End	Duration	Value	Min	Max	Limit	Reason	Action
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*There are no excess emissions for this report.*

# Boiler 1 CEMS Downtime

Colmac Energy

NOx ppm @3% O2 CEMS Downtime for 8/2/2018 thru 2/2/2019

Parameter	Start	End	Duration	Reason	Action
NOx ppm @3% O2	8/8/2018 5:00 AM	9:59 AM	5 hours	CEM out of service for maintenance.	Maintenance completed, CEM back in service.
NOx ppm @3% O2	8/8/2018 12:00 PM	1:59 PM	2 hours	CEM out of service for maintenance.	Maintenance completed, CEM back in service.
NOx ppm @3% O2	8/13/2018 8:00 AM	9:59 AM	2 hours	CEM taken out of service for CGA testing.	CGA testing completed, CEM placed back in service.
NOx ppm @3% O2	8/23/2018 11:00 AM	3:59 PM	5 hours	CEM out of service for maintenance.	Maintenance completed, CEM back in service.
NOx ppm @3% O2	9/15/2018 7:00 AM	11:59 PM	17 hours	CEM out of service for maintenance.	Maintenance completed, CEM back in service.
NOx ppm @3% O2	9/16/2018 12:00 AM	7:59 AM	8 hours	CEM out of service for maintenance.	Maintenance completed, CEM back in service.
NOx ppm @3% O2	10/7/2018 12:00 PM	1:59 PM	2 hours	Cem Out Of Service for Maintenance	Maintenance complete, CEM back in service
NOx ppm @3% O2	10/27/2018 12:00 PM	6:59 PM	7 hours	Cem Out Of Service for Maintenance	Maintenance complete, CEM back in service
NOx ppm @3% O2	10/31/2018 2:00 PM	11:59 PM	10 hours	Cem Out Of Service for Maintenance	Maintenance complete, CEM back in service
NOx ppm @3% O2	11/1/2018 12:00 AM	6:59 AM	7 hours	CEM out of service for maintenance.	Maintenance completed, CEM back in service.
NOx ppm @3% O2	11/11/2018 12:00 PM	1:59 PM	2 hours	CEM out of service for maintenance.	Maintenance completed, CEM back in service.
NOx ppm @3% O2	11/17/2018 12:00 PM	12:59 PM	1 hour	CEM out of service for maintenance.	Maintenance completed, CEM back in service.
NOx ppm @3% O2	11/21/2018 8:00 AM	8:59 AM	1 hour	CEM taken out of service for CGA testing.	CGA testing completed, CEM placed back in service.
NOx ppm @3% O2	11/21/2018 10:00 AM	10:59 AM	1 hour	CEM taken out of service for CGA testing.	CGA testing completed, CEM placed back in service.
NOx ppm @3% O2	11/23/2018 1:00 PM	1:59 PM	1 hour	CEM out of service for maintenance.	Maintenance completed, CEM back in service.
NOx ppm @3% O2	12/1/2018 1:00 PM	3:59 PM	3 hours	CEM out of service for maintenance.	Maintenance completed, CEM back in service.
NOx ppm @3% O2	12/5/2018 12:00 AM	11:59 AM	12 hours	CEM out of service for maintenance.	Maintenance completed, CEM back in service.
NOx ppm @3% O2	12/10/2018 2:00 AM	2:59 AM	1 hour	CEM out of service for maintenance.	Maintenance completed, CEM back in service.

Parameter	Start	End	Duration	Reason	Action
NOx ppm @3% O2	12/10/2018 4:00 AM	6:59 AM	3 hours	CEM out of service for maintenance.	Maintenance completed, CEM back in service.
NOx ppm @3% O2	12/15/2018 10:00 PM	11:59 PM	2 hours	CEM out of service for maintenance.	Maintenance completed, CEM back in service.
NOx ppm @3% O2	12/16/2018 12:00 AM	11:59 AM	12 hours	CEM out of service for maintenance.	Maintenance completed, CEM back in service.
NOx ppm @3% O2	12/18/2018 11:00 AM	11:59 AM	1 hour	CEM out of service for maintenance.	Maintenance completed, CEM back in service.
NOx ppm @3% O2	12/24/2018 1:00 AM	2:59 AM	2 hours	Communication failure, false readings.	Rebooted Cedar's computer, communications back.
NOx ppm @3% O2	12/28/2018 10:00 AM	10:59 AM	1 hour	CEM out of service for maintenance.	Maintenance completed, CEM back in service.
Total duration			108 hours		

# Boiler 1 CEMS Downtime

Colmac Energy

NOx lb/mmBtu CEMS Downtime for 8/2/2018 thru 2/2/2019

Parameter	Start	End	Duration	Reason	Action
NOx lb/mmBtu	8/8/2018 5:00 AM	9:59 AM	5 hours	CEM out of service for maintenance.	Maintenance completed, CEM back in service.
NOx lb/mmBtu	8/8/2018 12:00 PM	1:59 PM	2 hours	CEM out of service for maintenance.	Maintenance completed, CEM back in service.
NOx lb/mmBtu	8/13/2018 8:00 AM	9:59 AM	2 hours	CEM taken out of service for CGA testing.	CGA testing completed, CEM placed back in service.
NOx lb/mmBtu	8/23/2018 11:00 AM	3:59 PM	5 hours	CEM out of service for maintenance.	Maintenance completed, CEM back in service.
NOx lb/mmBtu	9/15/2018 7:00 AM	11:59 PM	17 hours	CEM out of service for maintenance.	Maintenance completed, CEM back in service.
NOx lb/mmBtu	9/16/2018 12:00 AM	7:59 AM	8 hours	CEM out of service for maintenance.	Maintenance completed, CEM back in service.
NOx lb/mmBtu	10/7/2018 12:00 PM	1:59 PM	2 hours	Cem Out Of Service for Maintenance	Maintenance complete, CEM back in service
NOx lb/mmBtu	10/27/2018 12:00 PM	6:59 PM	7 hours	Cem Out Of Service for Maintenance	Maintenance complete, CEM back in service
NOx lb/mmBtu	10/31/2018 2:00 PM	11:59 PM	10 hours	Cem Out Of Service for Maintenance	Maintenance complete, CEM back in service
NOx lb/mmBtu	11/1/2018 12:00 AM	6:59 AM	7 hours	CEM out of service for maintenance.	Maintenance completed, CEM back in service.
NOx lb/mmBtu	11/11/2018 12:00 PM	1:59 PM	2 hours	CEM out of service for maintenance.	Maintenance completed, CEM back in service.
NOx lb/mmBtu	11/17/2018 12:00 PM	12:59 PM	1 hour	CEM out of service for maintenance.	Maintenance completed, CEM back in service.
NOx lb/mmBtu	11/21/2018 8:00 AM	8:59 AM	1 hour	CEM taken out of service for CGA testing.	CGA testing completed, CEM placed back in service.
NOx lb/mmBtu	11/21/2018 10:00 AM	10:59 AM	1 hour	CEM taken out of service for CGA testing.	CGA testing completed, CEM placed back in service.
NOx lb/mmBtu	11/23/2018 1:00 PM	1:59 PM	1 hour	CEM out of service for maintenance.	Maintenance completed, CEM back in service.
NOx lb/mmBtu	12/1/2018 1:00 PM	3:59 PM	3 hours	CEM out of service for maintenance.	Maintenance completed, CEM back in service.
NOx lb/mmBtu	12/5/2018 12:00 AM	11:59 AM	12 hours	CEM out of service for maintenance.	Maintenance completed, CEM back in service.
NOx lb/mmBtu	12/10/2018 2:00 AM	2:59 AM	1 hour	CEM out of service for maintenance.	Maintenance completed, CEM back in service.

Parameter	Start	End	Duration	Reason	Action
NOx lb/mmBtu	12/10/2018 4:00 AM	6:59 AM	3 hours	CEM out of service for maintenance.	Maintenance completed, CEM back in service.
NOx lb/mmBtu	12/15/2018 10:00 PM	11:59 PM	2 hours	CEM out of service for maintenance.	Maintenance completed, CEM back in service.
NOx lb/mmBtu	12/16/2018 12:00 AM	11:59 AM	12 hours	CEM out of service for maintenance.	Maintenance completed, CEM back in service.
NOx lb/mmBtu	12/18/2018 11:00 AM	11:59 AM	1 hour	CEM out of service for maintenance.	Maintenance completed, CEM back in service.
NOx lb/mmBtu	12/24/2018 1:00 AM	2:59 AM	2 hours	Communication failure, false readings.	Rebooted Cedar's computer, communications back.
NOx lb/mmBtu	12/28/2018 10:00 AM	10:59 AM	1 hour	CEM out of service for maintenance.	Maintenance completed, CEM back in service.
Total duration			108 hours		

# Boiler 1 CEMS Downtime

Colmac Energy

NOx lb/hr CEMS Downtime for 8/2/2018 thru 2/2/2019

Parameter	Start	End	Duration	Reason	Action
NOx lb/hr	8/8/2018 6:00 AM	10:59 AM	5 hours	CEM out of service for maintenance.	Maintenance completed, CEM back in service.
NOx lb/hr	8/13/2018 8:00 AM	9:59 AM	2 hours	CEM taken out of service for CGA testing.	CGA testing completed, CEM placed back in service.
NOx lb/hr	9/15/2018 7:00 AM	11:59 PM	17 hours	CEM out of service for maintenance.	Maintenance completed, CEM back in service.
NOx lb/hr	9/16/2018 12:00 AM	7:59 AM	8 hours	CEM out of service for maintenance.	Maintenance completed, CEM back in service.
NOx lb/hr	10/7/2018 12:00 PM	1:59 PM	2 hours	Cem Out Of Service for Maintenance	Maintenance complete, CEM back in service
NOx lb/hr	11/11/2018 12:00 PM	1:59 PM	2 hours	CEM out of service for maintenance.	Maintenance completed, CEM back in service.
NOx lb/hr	11/17/2018 12:00 PM	12:59 PM	1 hour	CEM out of service for maintenance.	Maintenance completed, CEM back in service.
NOx lb/hr	11/21/2018 8:00 AM	8:59 AM	1 hour	CEM taken out of service for CGA testing.	CGA testing completed, CEM placed back in service.
NOx lb/hr	11/21/2018 10:00 AM	10:59 AM	1 hour	CEM taken out of service for CGA testing.	CGA testing completed, CEM placed back in service.
NOx lb/hr	11/23/2018 1:00 PM	1:59 PM	1 hour	CEM out of service for maintenance.	Maintenance completed, CEM back in service.
NOx lb/hr	12/1/2018 1:00 PM	3:59 PM	3 hours	CEM out of service for maintenance.	Maintenance completed, CEM back in service.
NOx lb/hr	12/5/2018 12:00 AM	11:59 AM	12 hours	CEM out of service for maintenance.	Maintenance completed, CEM back in service.
NOx lb/hr	12/10/2018 2:00 AM	2:59 AM	1 hour	CEM out of service for maintenance.	Maintenance completed, CEM back in service.
NOx lb/hr	12/10/2018 4:00 AM	6:59 AM	3 hours	CEM out of service for maintenance.	Maintenance completed, CEM back in service.
NOx lb/hr	12/15/2018 10:00 PM	11:59 PM	2 hours	CEM out of service for maintenance.	Maintenance completed, CEM back in service.
NOx lb/hr	12/16/2018 12:00 AM	11:59 AM	12 hours	CEM out of service for maintenance.	Maintenance completed, CEM back in service.
NOx lb/hr	12/18/2018 11:00 AM	11:59 AM	1 hour	CEM out of service for maintenance.	Maintenance completed, CEM back in service.
NOx lb/hr	12/24/2018 1:00 AM	1:59 AM	1 hour	Communication failure, false readings.	Rebooted Cedar's computer, communications back.

Parameter	Start	End	Duration	Reason	Action
NOx lb/hr	12/28/2018 10:00 AM	10:59 AM	1 hour	CEM out of service for maintenance.	Maintenance completed, CEM back in service.
Total duration			76 hours		

# Boiler 1 CEMS Downtime

Colmac Energy

SO2 ppm @3% O2 CEMS Downtime for 8/2/2018 thru 2/2/2019

Parameter	Start	End	Duration	Reason	Action
SO2 ppm @3% O2	8/8/2018 5:00 AM	9:59 AM	5 hours	CEM out of service for maintenance.	Maintenance completed, CEM back in service.
SO2 ppm @3% O2	8/8/2018 12:00 PM	1:59 PM	2 hours	CEM out of service for maintenance.	Maintenance completed, CEM back in service.
SO2 ppm @3% O2	8/13/2018 8:00 AM	9:59 AM	2 hours	CEM taken out of service for CGA testing.	CGA testing completed, CEM placed back in service.
SO2 ppm @3% O2	8/23/2018 11:00 AM	3:59 PM	5 hours	CEM out of service for maintenance.	Maintenance completed, CEM back in service.
SO2 ppm @3% O2	9/15/2018 7:00 AM	11:59 PM	17 hours	CEM out of service for maintenance.	Maintenance completed, CEM back in service.
SO2 ppm @3% O2	9/16/2018 12:00 AM	7:59 AM	8 hours	CEM out of service for maintenance.	Maintenance completed, CEM back in service.
SO2 ppm @3% O2	10/7/2018 12:00 PM	1:59 PM	2 hours	Cem Out Of Service for Maintenance	Maintenance complete, CEM back in service
SO2 ppm @3% O2	10/27/2018 12:00 PM	6:59 PM	7 hours	Cem Out Of Service for Maintenance	Maintenance complete, CEM back in service
SO2 ppm @3% O2	10/31/2018 2:00 PM	11:59 PM	10 hours	Cem Out Of Service for Maintenance	Maintenance complete, CEM back in service
SO2 ppm @3% O2	11/1/2018 12:00 AM	6:59 AM	7 hours	CEM out of service for maintenance.	Maintenance completed, CEM back in service.
SO2 ppm @3% O2	11/11/2018 12:00 PM	1:59 PM	2 hours	CEM out of service for maintenance.	Maintenance completed, CEM back in service.
SO2 ppm @3% O2	11/17/2018 12:00 PM	12:59 PM	1 hour	CEM out of service for maintenance.	Maintenance completed, CEM back in service.
SO2 ppm @3% O2	11/21/2018 8:00 AM	8:59 AM	1 hour	CEM taken out of service for CGA testing.	CGA testing completed, CEM placed back in service.
SO2 ppm @3% O2	11/21/2018 10:00 AM	10:59 AM	1 hour	CEM taken out of service for CGA testing.	CGA testing completed, CEM placed back in service.
SO2 ppm @3% O2	11/23/2018 1:00 PM	1:59 PM	1 hour	CEM out of service for maintenance.	Maintenance completed, CEM back in service.
SO2 ppm @3% O2	12/1/2018 1:00 PM	3:59 PM	3 hours	CEM out of service for maintenance.	Maintenance completed, CEM back in service.
SO2 ppm @3% O2	12/5/2018 12:00 AM	11:59 AM	12 hours	CEM out of service for maintenance.	Maintenance completed, CEM back in service.
SO2 ppm @3% O2	12/10/2018 2:00 AM	2:59 AM	1 hour	CEM out of service for maintenance.	Maintenance completed, CEM back in service.

Parameter	Start	End	Duration	Reason	Action
SO2 ppm @3% O2	12/10/2018 4:00 AM	6:59 AM	3 hours	CEM out of service for maintenance.	Maintenance completed, CEM back in service.
SO2 ppm @3% O2	12/15/2018 10:00 PM	11:59 PM	2 hours	CEM out of service for maintenance.	Maintenance completed, CEM back in service.
SO2 ppm @3% O2	12/16/2018 12:00 AM	11:59 AM	12 hours	CEM out of service for maintenance.	Maintenance completed, CEM back in service.
SO2 ppm @3% O2	12/18/2018 11:00 AM	11:59 AM	1 hour	CEM out of service for maintenance.	Maintenance completed, CEM back in service.
SO2 ppm @3% O2	12/24/2018 1:00 AM	2:59 AM	2 hours	Communication failure, false readings.	Rebooted Cedar's computer, communications back.
Total duration			107 hours		

# Boiler 1 CEMS Downtime

Colmac Energy

SO2 lb/mmBtu CEMS Downtime for 8/2/2018 thru 2/2/2019

Parameter	Start	End	Duration	Reason	Action
SO2 lb/mmBtu	8/8/2018 5:00 AM	9:59 AM	5 hours	CEM out of service for maintenance.	Maintenance completed, CEM back in service.
SO2 lb/mmBtu	8/8/2018 12:00 PM	1:59 PM	2 hours	CEM out of service for maintenance.	Maintenance completed, CEM back in service.
SO2 lb/mmBtu	8/13/2018 8:00 AM	9:59 AM	2 hours	CEM taken out of service for CGA testing.	CGA testing completed, CEM placed back in service.
SO2 lb/mmBtu	8/23/2018 11:00 AM	3:59 PM	5 hours	CEM out of service for maintenance.	Maintenance completed, CEM back in service.
SO2 lb/mmBtu	9/15/2018 7:00 AM	11:59 PM	17 hours	CEM out of service for maintenance.	Maintenance completed, CEM back in service.
SO2 lb/mmBtu	9/16/2018 12:00 AM	7:59 AM	8 hours	CEM out of service for maintenance.	Maintenance completed, CEM back in service.
SO2 lb/mmBtu	10/7/2018 12:00 PM	1:59 PM	2 hours	Cem Out Of Service for Maintenance	Maintenance complete, CEM back in service
SO2 lb/mmBtu	10/27/2018 12:00 PM	6:59 PM	7 hours	Cem Out Of Service for Maintenance	Maintenance complete, CEM back in service
SO2 lb/mmBtu	10/31/2018 2:00 PM	11:59 PM	10 hours	Cem Out Of Service for Maintenance	Maintenance complete, CEM back in service
SO2 lb/mmBtu	11/1/2018 12:00 AM	6:59 AM	7 hours	CEM out of service for maintenance.	Maintenance completed, CEM back in service.
SO2 lb/mmBtu	11/11/2018 12:00 PM	1:59 PM	2 hours	CEM out of service for maintenance.	Maintenance completed, CEM back in service.
SO2 lb/mmBtu	11/17/2018 12:00 PM	12:59 PM	1 hour	CEM out of service for maintenance.	Maintenance completed, CEM back in service.
SO2 lb/mmBtu	11/21/2018 8:00 AM	8:59 AM	1 hour	CEM taken out of service for CGA testing.	CGA testing completed, CEM placed back in service.
SO2 lb/mmBtu	11/21/2018 10:00 AM	10:59 AM	1 hour	CEM taken out of service for CGA testing.	CGA testing completed, CEM placed back in service.
SO2 lb/mmBtu	11/23/2018 1:00 PM	1:59 PM	1 hour	CEM out of service for maintenance.	Maintenance completed, CEM back in service.
SO2 lb/mmBtu	12/1/2018 1:00 PM	3:59 PM	3 hours	CEM out of service for maintenance.	Maintenance completed, CEM back in service.
SO2 lb/mmBtu	12/5/2018 12:00 AM	11:59 AM	12 hours	CEM out of service for maintenance.	Maintenance completed, CEM back in service.
SO2 lb/mmBtu	12/10/2018 2:00 AM	2:59 AM	1 hour	CEM out of service for maintenance.	Maintenance completed, CEM back in service.

Parameter	Start	End	Duration	Reason	Action
SO2 lb/mmBtu	12/10/2018 4:00 AM	6:59 AM	3 hours	CEM out of service for maintenance.	Maintenance completed, CEM back in service.
SO2 lb/mmBtu	12/15/2018 10:00 PM	11:59 PM	2 hours	CEM out of service for maintenance.	Maintenance completed, CEM back in service.
SO2 lb/mmBtu	12/16/2018 12:00 AM	11:59 AM	12 hours	CEM out of service for maintenance.	Maintenance completed, CEM back in service.
SO2 lb/mmBtu	12/18/2018 11:00 AM	11:59 AM	1 hour	CEM out of service for maintenance.	Maintenance completed, CEM back in service.
SO2 lb/mmBtu	12/24/2018 1:00 AM	2:59 AM	2 hours	Communication failure, false readings.	Rebooted Cedar's computer, communications back.
Total duration			107 hours		

# Boiler 1 CEMS Downtime

Colmac Energy

SO2 lb/hr CEMS Downtime for 8/2/2018 thru 2/2/2019

Parameter	Start	End	Duration	Reason	Action
SO2 lb/hr	8/8/2018 6:00 AM	10:59 AM	5 hours	CEM out of service for maintenance.	Maintenance completed, CEM back in service.
SO2 lb/hr	8/8/2018 12:00 PM	1:59 PM	2 hours	CEM out of service for maintenance.	Maintenance completed, CEM back in service.
SO2 lb/hr	8/13/2018 8:00 AM	9:59 AM	2 hours	CEM taken out of service for CGA testing.	CGA testing completed, CEM placed back in service.
SO2 lb/hr	9/15/2018 7:00 AM	11:59 PM	17 hours	CEM out of service for maintenance.	Maintenance completed, CEM back in service.
SO2 lb/hr	9/16/2018 12:00 AM	7:59 AM	8 hours	CEM out of service for maintenance.	Maintenance completed, CEM back in service.
SO2 lb/hr	10/7/2018 12:00 PM	1:59 PM	2 hours	Cem Out Of Service for Maintenance	Maintenance complete, CEM back in service
SO2 lb/hr	11/17/2018 12:00 PM	12:59 PM	1 hour	CEM out of service for maintenance.	Maintenance completed, CEM back in service.
SO2 lb/hr	11/21/2018 8:00 AM	8:59 AM	1 hour	CEM taken out of service for CGA testing.	CGA testing completed, CEM placed back in service.
SO2 lb/hr	11/21/2018 10:00 AM	10:59 AM	1 hour	CEM taken out of service for CGA testing.	CGA testing completed, CEM placed back in service.
SO2 lb/hr	11/23/2018 1:00 PM	1:59 PM	1 hour	CEM out of service for maintenance.	Maintenance completed, CEM back in service.
SO2 lb/hr	12/5/2018 12:00 AM	11:59 AM	12 hours	CEM out of service for maintenance.	Maintenance completed, CEM back in service.
SO2 lb/hr	12/10/2018 2:00 AM	2:59 AM	1 hour	CEM out of service for maintenance.	Maintenance completed, CEM back in service.
SO2 lb/hr	12/10/2018 4:00 AM	6:59 AM	3 hours	CEM out of service for maintenance.	Maintenance completed, CEM back in service.
SO2 lb/hr	12/15/2018 10:00 PM	11:59 PM	2 hours	CEM out of service for maintenance.	Maintenance completed, CEM back in service.
SO2 lb/hr	12/16/2018 12:00 AM	11:59 AM	12 hours	CEM out of service for maintenance.	Maintenance completed, CEM back in service.
SO2 lb/hr	12/18/2018 11:00 AM	11:59 AM	1 hour	CEM out of service for maintenance.	Maintenance completed, CEM back in service.
SO2 lb/hr	12/24/2018 1:00 AM	1:59 AM	1 hour	Communication failure, false readings.	Rebooted Cedar's computer, communications back.
Total duration			72 hours		

# Boiler 1 CEMS Downtime

Colmac Energy

CO ppm @3% O2 CEMS Downtime for 8/2/2018 thru 2/2/2019

Parameter	Start	End	Duration	Reason	Action
CO ppm @3% O2	8/8/2018 5:00 AM	9:59 AM	5 hours	CEM out of service for maintenance.	Maintenance completed, CEM back in service.
CO ppm @3% O2	8/8/2018 12:00 PM	1:59 PM	2 hours	CEM out of service for maintenance.	Maintenance completed, CEM back in service.
CO ppm @3% O2	8/12/2018 12:00 PM	12:59 PM	1 hour	CEM out of service for maintenance.	Maintenance completed, CEM back in service.
CO ppm @3% O2	8/13/2018 8:00 AM	9:59 AM	2 hours	CEM taken out of service for CGA testing.	CGA testing completed, CEM placed back in service.
CO ppm @3% O2	8/23/2018 11:00 AM	3:59 PM	5 hours	CEM out of service for maintenance.	Maintenance completed, CEM back in service.
CO ppm @3% O2	8/23/2018 7:00 PM	7:59 PM	1 hour	CEM out of service for maintenance.	Maintenance completed, CEM back in service.
CO ppm @3% O2	9/15/2018 7:00 AM	11:59 PM	17 hours	CEM out of service for maintenance.	Maintenance completed, CEM back in service.
CO ppm @3% O2	9/16/2018 12:00 AM	9:59 AM	10 hours	CEM out of service for maintenance.	Maintenance completed, CEM back in service.
CO ppm @3% O2	10/5/2018 12:00 PM	12:59 PM	1 hour	CEM OUT OF SERVICE FOR MAINTENANCE	MAINTENACE COMPLETE, CEM BACK IN SERVICE
CO ppm @3% O2	10/6/2018 12:00 PM	12:59 PM	1 hour	Cem Out Of Service for Maintenance	Maintenance complete, CEM back in service
CO ppm @3% O2	10/7/2018 12:00 PM	1:59 PM	2 hours	Cem Out Of Service for Maintenance	Maintenance complete, CEM back in service
CO ppm @3% O2	10/27/2018 12:00 PM	6:59 PM	7 hours	Cem Out Of Service for Maintenance	Maintenance complete, CEM back in service
CO ppm @3% O2	10/31/2018 2:00 PM	11:59 PM	10 hours	Cem Out Of Service for Maintenance	Maintenance complete, CEM back in service
CO ppm @3% O2	11/1/2018 12:00 AM	6:59 AM	7 hours	CEM out of service for maintenance.	Maintenance completed, CEM back in service.
CO ppm @3% O2	11/11/2018 12:00 PM	1:59 PM	2 hours	CEM out of service for maintenance.	Maintenance completed, CEM back in service.
CO ppm @3% O2	11/17/2018 12:00 PM	12:59 PM	1 hour	CEM out of service for maintenance.	Maintenance completed, CEM back in service.
CO ppm @3% O2	11/21/2018 8:00 AM	8:59 AM	1 hour	CEM taken out of service for CGA testing.	CGA testing completed, CEM placed back in service.
CO ppm @3% O2	11/21/2018 10:00 AM	10:59 AM	1 hour	CEM taken out of service for CGA testing.	CGA testing completed, CEM placed back in service.

Parameter	Start	End	Duration	Reason	Action
CO ppm @3% O2	11/23/2018 1:00 PM	1:59 PM	1 hour	CEM out of service for maintenance.	Maintenance completed, CEM back in service.
CO ppm @3% O2	12/1/2018 1:00 PM	3:59 PM	3 hours	CEM out of service for maintenance.	Maintenance completed, CEM back in service.
CO ppm @3% O2	12/3/2018 12:00 AM	12:59 AM	1 hour	Boiler shutdown.	Boiler work completed, and back online.
CO ppm @3% O2	12/5/2018 12:00 AM	11:59 AM	12 hours	CEM out of service for maintenance.	Maintenance completed, CEM back in service.
CO ppm @3% O2	12/10/2018 2:00 AM	2:59 AM	1 hour	CEM out of service for maintenance.	Maintenance completed, CEM back in service.
CO ppm @3% O2	12/10/2018 4:00 AM	6:59 AM	3 hours	CEM out of service for maintenance.	Maintenance completed, CEM back in service.
CO ppm @3% O2	12/15/2018 10:00 PM	11:59 PM	2 hours	CEM out of service for maintenance.	Maintenance completed, CEM back in service.
CO ppm @3% O2	12/16/2018 12:00 AM	11:59 AM	12 hours	CEM out of service for maintenance.	Maintenance completed, CEM back in service.
CO ppm @3% O2	12/18/2018 11:00 AM	11:59 AM	1 hour	CEM out of service for maintenance.	Maintenance completed, CEM back in service.
CO ppm @3% O2	12/24/2018 1:00 AM	2:59 AM	2 hours	Communication failure, false readings.	Rebooted Cedar's computer, communications back.
CO ppm @3% O2	1/5/2019 1:00 PM	1:59 PM	1 hour	CEM out of service for maintenance.	Maintenance completed, CEM back in service.
CO ppm @3% O2	2/2/2019 1:00 PM	1:59 PM	1 hour	CEM out of service for maintenance.	Maintenance complete, CEM back in service.
Total duration			116 hours		

# Boiler 1 CEMS Downtime

Colmac Energy

CO lb/hr CEMS Downtime for 8/2/2018 thru 2/2/2019

Parameter	Start	End	Duration	Reason	Action
CO lb/hr	8/8/2018 6:00 AM	10:59 AM	5 hours	CEM out of service for maintenance.	Maintenance completed, CEM back in service.
CO lb/hr	8/12/2018 12:00 PM	12:59 PM	1 hour	CEM out of service for maintenance.	Maintenance completed, CEM back in service.
CO lb/hr	8/13/2018 8:00 AM	9:59 AM	2 hours	CEM taken out of service for CGA testing.	CGA testing completed, CEM placed back in service.
CO lb/hr	8/23/2018 7:00 PM	7:59 PM	1 hour	CEM out of service for maintenance.	Maintenance completed, CEM back in service.
CO lb/hr	9/15/2018 7:00 AM	11:59 PM	17 hours	CEM out of service for maintenance.	Maintenance completed, CEM back in service.
CO lb/hr	9/16/2018 12:00 AM	9:59 AM	10 hours	CEM out of service for maintenance.	Maintenance completed, CEM back in service.
CO lb/hr	10/5/2018 12:00 PM	12:59 PM	1 hour	CEM OUT OF SERVICE FOR MAINTENANCE	MAINTENACE COMPLETE, CEM BACK IN SERVICE
CO lb/hr	10/6/2018 12:00 PM	12:59 PM	1 hour	Cem Out Of Service for Maintenance	Maintenance complete, CEM back in service
CO lb/hr	10/31/2018 2:00 PM	11:59 PM	10 hours	Cem Out Of Service for Maintenance	Maintenance complete, CEM back in service
CO lb/hr	11/1/2018 12:00 AM	6:59 AM	7 hours	CEM out of service for maintenance.	Maintenance completed, CEM back in service.
CO lb/hr	11/17/2018 12:00 PM	12:59 PM	1 hour	CEM out of service for maintenance.	Maintenance completed, CEM back in service.
CO lb/hr	11/21/2018 8:00 AM	8:59 AM	1 hour	CEM taken out of service for CGA testing.	CGA testing completed, CEM placed back in service.
CO lb/hr	11/21/2018 10:00 AM	10:59 AM	1 hour	CEM taken out of service for CGA testing.	CGA testing completed, CEM placed back in service.
CO lb/hr	12/3/2018 12:00 AM	12:59 AM	1 hour	Boiler shutdown.	Boiler work completed, and back online.
CO lb/hr	12/5/2018 12:00 AM	11:59 AM	12 hours	CEM out of service for maintenance.	Maintenance completed, CEM back in service.
CO lb/hr	12/10/2018 2:00 AM	2:59 AM	1 hour	CEM out of service for maintenance.	Maintenance completed, CEM back in service.
CO lb/hr	12/10/2018 4:00 AM	6:59 AM	3 hours	CEM out of service for maintenance.	Maintenance completed, CEM back in service.
CO lb/hr	12/15/2018 10:00 PM	11:59 PM	2 hours	CEM out of service for maintenance.	Maintenance completed, CEM back in service.

Parameter	Start	End	Duration	Reason	Action
CO lb/hr	12/16/2018 12:00 AM	11:59 AM	12 hours	CEM out of service for maintenance.	Maintenance completed, CEM back in service.
CO lb/hr	12/18/2018 11:00 AM	11:59 AM	1 hour	CEM out of service for maintenance.	Maintenance completed, CEM back in service.
CO lb/hr	12/24/2018 1:00 AM	1:59 AM	1 hour	Communication failure, false readings.	Rebooted Cedar's computer, communications back.
CO lb/hr	1/5/2019 1:00 PM	1:59 PM	1 hour	CEM out of service for maintenance.	Maintenance completed, CEM back in service.
CO lb/hr	2/2/2019 1:00 PM	1:59 PM	1 hour	CEM out of service for maintenance.	Maintenance complete, CEM back in service.
Total duration			93 hours		

## Boiler 2 CEMS Downtime

Colmac Energy

NOx ppm @3% O2 CEMS Downtime for 8/2/2018 thru 2/2/2019

Parameter	Start	End	Duration	Reason	Action
NOx ppm @3% O2	8/11/2018 2:00 AM	7:59 AM	6 hours	CEM out of service for maintenance.	Maintenance completed, CEM back in service.
NOx ppm @3% O2	8/13/2018 8:00 AM	9:59 AM	2 hours	CEM taken out of service for CGA testing.	CGA testing completed, CEM placed back in service.
NOx ppm @3% O2	8/24/2018 1:00 PM	1:59 PM	1 hour	CEM out of service for maintenance.	Maintenance completed, CEM back in service.
NOx ppm @3% O2	9/23/2018 1:00 PM	11:59 PM	11 hours	CEM out of service for maintenance.	Maintenance completed, CEM back in service.
NOx ppm @3% O2	9/24/2018 12:00 AM	5:59 PM	18 hours	CEM out of service for maintenance.	Maintenance completed, CEM back in service.
NOx ppm @3% O2	9/27/2018 9:00 PM	11:59 PM	3 hours	CEM out of service for maintenance.	Maintenance completed, CEM back in service.
NOx ppm @3% O2	9/28/2018 12:00 AM	6:59 AM	7 hours	CEM out of service for maintenance.	Maintenance completed, CEM back in service.
NOx ppm @3% O2	10/6/2018 1:00 PM	1:59 PM	1 hour	Cem Out Of Service for Maintenance	Maintenance complete, CEM back in service
NOx ppm @3% O2	10/7/2018 1:00 AM	1:59 AM	1 hour	Cem Out Of Service for Maintenance	Maintenance complete, CEM back in service
NOx ppm @3% O2	10/7/2018 1:00 PM	2:59 PM	2 hours	Cem Out Of Service for Maintenance	Maintenance complete, CEM back in service
NOx ppm @3% O2	10/14/2018 1:00 PM	2:59 PM	2 hours	Cem Out Of Service for Maintenance	Maintenance complete, CEM back in service
NOx ppm @3% O2	10/14/2018 5:00 PM	11:59 PM	7 hours	Cem Out Of Service for Maintenance	Maintenance complete, CEM back in service
NOx ppm @3% O2	10/15/2018 12:00 AM	6:59 AM	7 hours	Cem Out Of Service for Maintenance	Maintenance complete, CEM back in service
NOx ppm @3% O2	10/27/2018 1:00 PM	6:59 PM	6 hours	Cem Out Of Service for Maintenance	Maintenance complete, CEM back in service
NOx ppm @3% O2	11/1/2018 10:00 PM	10:59 PM	1 hour	CEM out of service for maintenance.	Maintenance completed, CEM back in service.
NOx ppm @3% O2	11/3/2018 11:00 AM	6:59 PM	8 hours	CEM out of service for maintenance.	Maintenance completed, CEM back in service.
NOx ppm @3% O2	11/21/2018 8:00 AM	8:59 AM	1 hour	CEM taken out of service for CGA testing.	CGA testing completed, CEM placed back in service.
NOx ppm @3% O2	11/21/2018 10:00 AM	10:59 AM	1 hour	CEM taken out of service for CGA testing.	CGA testing completed, CEM placed back in service.

Parameter	Start	End	Duration	Reason	Action
NOx ppm @3% O2	12/2/2018 1:00 PM	2:59 PM	2 hours	CEM out of service for maintenance.	Maintenance completed, CEM back in service.
NOx ppm @3% O2	12/4/2018 6:00 AM	8:59 AM	3 hours	CEM out of service for maintenance.	Maintenance completed, CEM back in service.
NOx ppm @3% O2	12/7/2018 4:00 PM	6:59 PM	3 hours	CEM out of service for maintenance.	Maintenance completed, CEM back in service.
NOx ppm @3% O2	12/8/2018 3:00 AM	6:59 AM	4 hours	CEM out of service for maintenance.	Maintenance completed, CEM back in service.
NOx ppm @3% O2	12/8/2018 6:00 PM	11:59 PM	6 hours	CEM out of service for maintenance.	Maintenance completed, CEM back in service.
NOx ppm @3% O2	12/9/2018 12:00 AM	3:59 AM	4 hours	CEM out of service for maintenance.	Maintenance completed, CEM back in service.
NOx ppm @3% O2	12/9/2018 1:00 PM	1:59 PM	1 hour	CEM out of service for maintenance.	Maintenance completed, CEM back in service.
NOx ppm @3% O2	12/13/2018 4:00 PM	10:59 PM	7 hours	CEM out of service for maintenance.	Maintenance completed, CEM back in service.
NOx ppm @3% O2	12/14/2018 9:00 AM	10:59 AM	2 hours	CEM out of service for maintenance.	Maintenance completed, CEM back in service.
NOx ppm @3% O2	12/24/2018 2:00 AM	2:59 AM	1 hour	Communication failure, false readings.	Rebooted Cedar's computer, communications back.
NOx ppm @3% O2	1/10/2019 5:00 AM	6:59 AM	2 hours	CEM out of service for maintenance.	Maintenance completed, CEM back in service.
NOx ppm @3% O2	1/12/2019 8:00 AM	7:59 PM	12 hours	CEM out of service for maintenance.	Maintenance completed, CEM back in service.
NOx ppm @3% O2	1/15/2019 2:00 AM	10:59 AM	9 hours	CEM out of service for maintenance.	Maintenance completed, CEM back in service.
Total duration			141 hours		

## Boiler 2 CEMS Downtime

Colmac Energy

NOx lb/mmBtu CEMS Downtime for 8/2/2018 thru 2/2/2019

Parameter	Start	End	Duration	Reason	Action
NOx lb/mmBtu	8/11/2018 2:00 AM	7:59 AM	6 hours	CEM out of service for maintenance.	Maintenance completed, CEM back in service.
NOx lb/mmBtu	8/13/2018 8:00 AM	9:59 AM	2 hours	CEM taken out of service for CGA testing.	CGA testing completed, CEM placed back in service.
NOx lb/mmBtu	8/24/2018 1:00 PM	1:59 PM	1 hour	CEM out of service for maintenance.	Maintenance completed, CEM back in service.
NOx lb/mmBtu	9/23/2018 1:00 PM	11:59 PM	11 hours	CEM out of service for maintenance.	Maintenance completed, CEM back in service.
NOx lb/mmBtu	9/24/2018 12:00 AM	5:59 PM	18 hours	CEM out of service for maintenance.	Maintenance completed, CEM back in service.
NOx lb/mmBtu	9/27/2018 9:00 PM	11:59 PM	3 hours	CEM out of service for maintenance.	Maintenance completed, CEM back in service.
NOx lb/mmBtu	9/28/2018 12:00 AM	6:59 AM	7 hours	CEM out of service for maintenance.	Maintenance completed, CEM back in service.
NOx lb/mmBtu	10/6/2018 1:00 PM	1:59 PM	1 hour	Cem Out Of Service for Maintenance	Maintenance complete, CEM back in service
NOx lb/mmBtu	10/7/2018 1:00 AM	1:59 AM	1 hour	Cem Out Of Service for Maintenance	Maintenance complete, CEM back in service
NOx lb/mmBtu	10/7/2018 1:00 PM	2:59 PM	2 hours	Cem Out Of Service for Maintenance	Maintenance complete, CEM back in service
NOx lb/mmBtu	10/14/2018 1:00 PM	2:59 PM	2 hours	Cem Out Of Service for Maintenance	Maintenance complete, CEM back in service
NOx lb/mmBtu	10/14/2018 5:00 PM	11:59 PM	7 hours	Cem Out Of Service for Maintenance	Maintenance complete, CEM back in service
NOx lb/mmBtu	10/15/2018 12:00 AM	6:59 AM	7 hours	Cem Out Of Service for Maintenance	Maintenance complete, CEM back in service
NOx lb/mmBtu	10/27/2018 1:00 PM	6:59 PM	6 hours	Cem Out Of Service for Maintenance	Maintenance complete, CEM back in service
NOx lb/mmBtu	11/1/2018 10:00 PM	10:59 PM	1 hour	CEM out of service for maintenance.	Maintenance completed, CEM back in service.
NOx lb/mmBtu	11/3/2018 11:00 AM	6:59 PM	8 hours	CEM out of service for maintenance.	Maintenance completed, CEM back in service.
NOx lb/mmBtu	11/21/2018 8:00 AM	8:59 AM	1 hour	CEM taken out of service for CGA testing.	CGA testing completed, CEM placed back in service.
NOx lb/mmBtu	11/21/2018 10:00 AM	10:59 AM	1 hour	CEM taken out of service for CGA testing.	CGA testing completed, CEM placed back in service.

Parameter	Start	End	Duration	Reason	Action
NOx lb/mmBtu	12/2/2018 1:00 PM	2:59 PM	2 hours	CEM out of service for maintenance.	Maintenance completed, CEM back in service.
NOx lb/mmBtu	12/4/2018 6:00 AM	8:59 AM	3 hours	CEM out of service for maintenance.	Maintenance completed, CEM back in service.
NOx lb/mmBtu	12/7/2018 4:00 PM	6:59 PM	3 hours	CEM out of service for maintenance.	Maintenance completed, CEM back in service.
NOx lb/mmBtu	12/8/2018 3:00 AM	6:59 AM	4 hours	CEM out of service for maintenance.	Maintenance completed, CEM back in service.
NOx lb/mmBtu	12/8/2018 6:00 PM	11:59 PM	6 hours	CEM out of service for maintenance.	Maintenance completed, CEM back in service.
NOx lb/mmBtu	12/9/2018 12:00 AM	3:59 AM	4 hours	CEM out of service for maintenance.	Maintenance completed, CEM back in service.
NOx lb/mmBtu	12/9/2018 1:00 PM	1:59 PM	1 hour	CEM out of service for maintenance.	Maintenance completed, CEM back in service.
NOx lb/mmBtu	12/13/2018 4:00 PM	10:59 PM	7 hours	CEM out of service for maintenance.	Maintenance completed, CEM back in service.
NOx lb/mmBtu	12/14/2018 9:00 AM	10:59 AM	2 hours	CEM out of service for maintenance.	Maintenance completed, CEM back in service.
NOx lb/mmBtu	12/24/2018 2:00 AM	2:59 AM	1 hour	Communication failure, false readings.	Rebooted Cedar's computer, communications back.
NOx lb/mmBtu	1/10/2019 5:00 AM	6:59 AM	2 hours	CEM out of service for maintenance.	Maintenance completed, CEM back in service.
NOx lb/mmBtu	1/12/2019 8:00 AM	7:59 PM	12 hours	CEM out of service for maintenance.	Maintenance completed, CEM back in service.
NOx lb/mmBtu	1/15/2019 2:00 AM	10:59 AM	9 hours	CEM out of service for maintenance.	Maintenance completed, CEM back in service.
Total duration			141 hours		

## Boiler 2 CEMS Downtime

Colmac Energy

NOx lb/hr CEMS Downtime for 8/2/2018 thru 2/2/2019

Parameter	Start	End	Duration	Reason	Action
NOx lb/hr	8/11/2018 2:00 AM	12:59 PM	11 hours	CEM out of service for maintenance.	Maintenance completed, CEM back in service.
NOx lb/hr	8/11/2018 2:00 PM	2:59 PM	1 hour	CEM out of service for maintenance.	Maintenance completed, CEM back in service.
NOx lb/hr	8/13/2018 8:00 AM	9:59 AM	2 hours	CEM taken out of service for CGA testing.	CGA testing completed, CEM placed back in service.
NOx lb/hr	8/24/2018 1:00 PM	1:59 PM	1 hour	CEM out of service for maintenance.	Maintenance completed, CEM back in service.
NOx lb/hr	9/23/2018 1:00 PM	11:59 PM	11 hours	CEM out of service for maintenance.	Maintenance completed, CEM back in service.
NOx lb/hr	9/24/2018 12:00 AM	5:59 PM	18 hours	CEM out of service for maintenance.	Maintenance completed, CEM back in service.
NOx lb/hr	10/7/2018 1:00 AM	1:59 AM	1 hour	Cem Out Of Service for Maintenance	Maintenance complete, CEM back in service
NOx lb/hr	10/7/2018 1:00 PM	2:59 PM	2 hours	Cem Out Of Service for Maintenance	Maintenance complete, CEM back in service
NOx lb/hr	10/14/2018 1:00 PM	2:59 PM	2 hours	Cem Out Of Service for Maintenance	Maintenance complete, CEM back in service
NOx lb/hr	10/14/2018 5:00 PM	11:59 PM	7 hours	Cem Out Of Service for Maintenance	Maintenance complete, CEM back in service
NOx lb/hr	10/15/2018 12:00 AM	6:59 AM	7 hours	Cem Out Of Service for Maintenance	Maintenance complete, CEM back in service
NOx lb/hr	11/3/2018 11:00 AM	3:59 PM	5 hours	CEM out of service for maintenance.	Maintenance completed, CEM back in service.
NOx lb/hr	11/21/2018 8:00 AM	8:59 AM	1 hour	CEM taken out of service for CGA testing.	CGA testing completed, CEM placed back in service.
NOx lb/hr	11/21/2018 10:00 AM	10:59 AM	1 hour	CEM taken out of service for CGA testing.	CGA testing completed, CEM placed back in service.
NOx lb/hr	12/2/2018 1:00 PM	2:59 PM	2 hours	CEM out of service for maintenance.	Maintenance completed, CEM back in service.
NOx lb/hr	12/4/2018 6:00 AM	8:59 AM	3 hours	CEM out of service for maintenance.	Maintenance completed, CEM back in service.
NOx lb/hr	12/4/2018 11:00 AM	11:59 AM	1 hour	CEM out of service for maintenance.	Maintenance completed, CEM back in service.
NOx lb/hr	12/9/2018 1:00 PM	1:59 PM	1 hour	CEM out of service for maintenance.	Maintenance completed, CEM back in service.

Parameter	Start	End	Duration	Reason	Action
NOx lb/hr	12/14/2018 9:00 AM	10:59 AM	2 hours	CEM out of service for maintenance.	Maintenance completed, CEM back in service.
NOx lb/hr	12/18/2018 7:00 AM	7:59 AM	1 hour	CEM out of service for maintenance.	Maintenance completed, CEM back in service.
NOx lb/hr	12/24/2018 2:00 AM	2:59 AM	1 hour	Communication failure, false readings.	Rebooted Cedar's computer, communications back.
NOx lb/hr	1/8/2019 1:00 PM	1:59 PM	1 hour	CEM out of service for maintenance.	Maintenance completed, CEM back in service.
NOx lb/hr	1/10/2019 3:00 AM	6:59 AM	4 hours	CEM out of service for maintenance.	Maintenance completed, CEM back in service.
NOx lb/hr	1/12/2019 8:00 AM	7:59 PM	12 hours	CEM out of service for maintenance.	Maintenance completed, CEM back in service.
NOx lb/hr	1/15/2019 2:00 AM	12:59 PM	11 hours	CEM out of service for maintenance.	Maintenance completed, CEM back in service.
Total duration			109 hours		

## Boiler 2 CEMS Downtime

Colmac Energy

SO2 ppm @3% O2 CEMS Downtime for 8/2/2018 thru 2/2/2019

Parameter	Start	End	Duration	Reason	Action
SO2 ppm @3% O2	8/11/2018 2:00 AM	12:59 PM	11 hours	CEM out of service for maintenance.	Maintenance completed, CEM back in service.
SO2 ppm @3% O2	8/13/2018 8:00 AM	9:59 AM	2 hours	CEM taken out of service for CGA testing.	CGA testing completed, CEM placed back in service.
SO2 ppm @3% O2	8/24/2018 1:00 PM	1:59 PM	1 hour	CEM out of service for maintenance.	Maintenance completed, CEM back in service.
SO2 ppm @3% O2	9/23/2018 1:00 PM	11:59 PM	11 hours	CEM out of service for maintenance.	Maintenance completed, CEM back in service.
SO2 ppm @3% O2	9/24/2018 12:00 AM	5:59 PM	18 hours	CEM out of service for maintenance.	Maintenance completed, CEM back in service.
SO2 ppm @3% O2	9/27/2018 9:00 PM	11:59 PM	3 hours	CEM out of service for maintenance.	Maintenance completed, CEM back in service.
SO2 ppm @3% O2	9/28/2018 12:00 AM	6:59 AM	7 hours	CEM out of service for maintenance.	Maintenance completed, CEM back in service.
SO2 ppm @3% O2	10/6/2018 1:00 PM	1:59 PM	1 hour	Cem Out Of Service for Maintenance	Maintenance complete, CEM back in service
SO2 ppm @3% O2	10/7/2018 1:00 AM	1:59 AM	1 hour	Cem Out Of Service for Maintenance	Maintenance complete, CEM back in service
SO2 ppm @3% O2	10/7/2018 1:00 PM	2:59 PM	2 hours	Cem Out Of Service for Maintenance	Maintenance complete, CEM back in service
SO2 ppm @3% O2	10/14/2018 1:00 PM	2:59 PM	2 hours	Cem Out Of Service for Maintenance	Maintenance complete, CEM back in service
SO2 ppm @3% O2	10/14/2018 5:00 PM	11:59 PM	7 hours	Cem Out Of Service for Maintenance	Maintenance complete, CEM back in service
SO2 ppm @3% O2	10/15/2018 12:00 AM	6:59 AM	7 hours	Cem Out Of Service for Maintenance	Maintenance complete, CEM back in service
SO2 ppm @3% O2	10/27/2018 1:00 PM	6:59 PM	6 hours	Cem Out Of Service for Maintenance	Maintenance complete, CEM back in service
SO2 ppm @3% O2	11/1/2018 10:00 PM	10:59 PM	1 hour	CEM out of service for maintenance.	Maintenance completed, CEM back in service.
SO2 ppm @3% O2	11/3/2018 11:00 AM	6:59 PM	8 hours	CEM out of service for maintenance.	Maintenance completed, CEM back in service.
SO2 ppm @3% O2	11/21/2018 8:00 AM	8:59 AM	1 hour	CEM taken out of service for CGA testing.	CGA testing completed, CEM placed back in service.
SO2 ppm @3% O2	11/21/2018 10:00 AM	10:59 AM	1 hour	CEM taken out of service for CGA testing.	CGA testing completed, CEM placed back in service.

Parameter	Start	End	Duration	Reason	Action
SO2 ppm @3% O2	12/2/2018 1:00 PM	2:59 PM	2 hours	CEM out of service for maintenance.	Maintenance completed, CEM back in service.
SO2 ppm @3% O2	12/4/2018 6:00 AM	8:59 AM	3 hours	CEM out of service for maintenance.	Maintenance completed, CEM back in service.
SO2 ppm @3% O2	12/7/2018 4:00 PM	6:59 PM	3 hours	CEM out of service for maintenance.	Maintenance completed, CEM back in service.
SO2 ppm @3% O2	12/8/2018 3:00 AM	6:59 AM	4 hours	CEM out of service for maintenance.	Maintenance completed, CEM back in service.
SO2 ppm @3% O2	12/8/2018 6:00 PM	11:59 PM	6 hours	CEM out of service for maintenance.	Maintenance completed, CEM back in service.
SO2 ppm @3% O2	12/9/2018 12:00 AM	3:59 AM	4 hours	CEM out of service for maintenance.	Maintenance completed, CEM back in service.
SO2 ppm @3% O2	12/9/2018 1:00 PM	1:59 PM	1 hour	CEM out of service for maintenance.	Maintenance completed, CEM back in service.
SO2 ppm @3% O2	12/13/2018 4:00 PM	10:59 PM	7 hours	CEM out of service for maintenance.	Maintenance completed, CEM back in service.
SO2 ppm @3% O2	12/14/2018 9:00 AM	10:59 AM	2 hours	CEM out of service for maintenance.	Maintenance completed, CEM back in service.
SO2 ppm @3% O2	1/10/2019 5:00 AM	6:59 AM	2 hours	CEM out of service for maintenance.	Maintenance completed, CEM back in service.
SO2 ppm @3% O2	1/12/2019 8:00 AM	7:59 PM	12 hours	CEM out of service for maintenance.	Maintenance completed, CEM back in service.
SO2 ppm @3% O2	1/15/2019 2:00 AM	10:59 AM	9 hours	CEM out of service for maintenance.	Maintenance completed, CEM back in service.
Total duration			145 hours		

## Boiler 2 CEMS Downtime

Colmac Energy

SO2 lb/mmBtu CEMS Downtime for 8/2/2018 thru 2/2/2019

Parameter	Start	End	Duration	Reason	Action
SO2 lb/mmBtu	8/11/2018 2:00 AM	12:59 PM	11 hours	CEM out of service for maintenance.	Maintenance completed, CEM back in service.
SO2 lb/mmBtu	8/13/2018 8:00 AM	9:59 AM	2 hours	CEM taken out of service for CGA testing.	CGA testing completed, CEM placed back in service.
SO2 lb/mmBtu	8/24/2018 1:00 PM	1:59 PM	1 hour	CEM out of service for maintenance.	Maintenance completed, CEM back in service.
SO2 lb/mmBtu	9/23/2018 1:00 PM	11:59 PM	11 hours	CEM out of service for maintenance.	Maintenance completed, CEM back in service.
SO2 lb/mmBtu	9/24/2018 12:00 AM	5:59 PM	18 hours	CEM out of service for maintenance.	Maintenance completed, CEM back in service.
SO2 lb/mmBtu	9/27/2018 9:00 PM	11:59 PM	3 hours	CEM out of service for maintenance.	Maintenance completed, CEM back in service.
SO2 lb/mmBtu	9/28/2018 12:00 AM	6:59 AM	7 hours	CEM out of service for maintenance.	Maintenance completed, CEM back in service.
SO2 lb/mmBtu	10/6/2018 1:00 PM	1:59 PM	1 hour	Cem Out Of Service for Maintenance	Maintenance complete, CEM back in service
SO2 lb/mmBtu	10/7/2018 1:00 AM	1:59 AM	1 hour	Cem Out Of Service for Maintenance	Maintenance complete, CEM back in service
SO2 lb/mmBtu	10/7/2018 1:00 PM	2:59 PM	2 hours	Cem Out Of Service for Maintenance	Maintenance complete, CEM back in service
SO2 lb/mmBtu	10/14/2018 1:00 PM	2:59 PM	2 hours	Cem Out Of Service for Maintenance	Maintenance complete, CEM back in service
SO2 lb/mmBtu	10/14/2018 5:00 PM	11:59 PM	7 hours	Cem Out Of Service for Maintenance	Maintenance complete, CEM back in service
SO2 lb/mmBtu	10/15/2018 12:00 AM	6:59 AM	7 hours	Cem Out Of Service for Maintenance	Maintenance complete, CEM back in service
SO2 lb/mmBtu	10/27/2018 1:00 PM	6:59 PM	6 hours	Cem Out Of Service for Maintenance	Maintenance complete, CEM back in service
SO2 lb/mmBtu	11/1/2018 10:00 PM	10:59 PM	1 hour	CEM out of service for maintenance.	Maintenance completed, CEM back in service.
SO2 lb/mmBtu	11/3/2018 11:00 AM	6:59 PM	8 hours	CEM out of service for maintenance.	Maintenance completed, CEM back in service.
SO2 lb/mmBtu	11/21/2018 8:00 AM	8:59 AM	1 hour	CEM taken out of service for CGA testing.	CGA testing completed, CEM placed back in service.
SO2 lb/mmBtu	11/21/2018 10:00 AM	10:59 AM	1 hour	CEM taken out of service for CGA testing.	CGA testing completed, CEM placed back in service.

Parameter	Start	End	Duration	Reason	Action
SO2 lb/mmBtu	12/2/2018 1:00 PM	2:59 PM	2 hours	CEM out of service for maintenance.	Maintenance completed, CEM back in service.
SO2 lb/mmBtu	12/4/2018 6:00 AM	8:59 AM	3 hours	CEM out of service for maintenance.	Maintenance completed, CEM back in service.
SO2 lb/mmBtu	12/7/2018 4:00 PM	6:59 PM	3 hours	CEM out of service for maintenance.	Maintenance completed, CEM back in service.
SO2 lb/mmBtu	12/8/2018 3:00 AM	6:59 AM	4 hours	CEM out of service for maintenance.	Maintenance completed, CEM back in service.
SO2 lb/mmBtu	12/8/2018 6:00 PM	11:59 PM	6 hours	CEM out of service for maintenance.	Maintenance completed, CEM back in service.
SO2 lb/mmBtu	12/9/2018 12:00 AM	3:59 AM	4 hours	CEM out of service for maintenance.	Maintenance completed, CEM back in service.
SO2 lb/mmBtu	12/9/2018 1:00 PM	1:59 PM	1 hour	CEM out of service for maintenance.	Maintenance completed, CEM back in service.
SO2 lb/mmBtu	12/13/2018 4:00 PM	10:59 PM	7 hours	CEM out of service for maintenance.	Maintenance completed, CEM back in service.
SO2 lb/mmBtu	12/14/2018 9:00 AM	10:59 AM	2 hours	CEM out of service for maintenance.	Maintenance completed, CEM back in service.
SO2 lb/mmBtu	1/10/2019 5:00 AM	6:59 AM	2 hours	CEM out of service for maintenance.	Maintenance completed, CEM back in service.
SO2 lb/mmBtu	1/12/2019 8:00 AM	7:59 PM	12 hours	CEM out of service for maintenance.	Maintenance completed, CEM back in service.
SO2 lb/mmBtu	1/15/2019 2:00 AM	10:59 AM	9 hours	CEM out of service for maintenance.	Maintenance completed, CEM back in service.
Total duration			145 hours		

## Boiler 2 CEMS Downtime

Colmac Energy

SO2 lb/hr CEMS Downtime for 8/2/2018 thru 2/2/2019

Parameter	Start	End	Duration	Reason	Action
SO2 lb/hr	8/11/2018 2:00 AM	12:59 PM	11 hours	CEM out of service for maintenance.	Maintenance completed, CEM back in service.
SO2 lb/hr	8/11/2018 2:00 PM	2:59 PM	1 hour	CEM out of service for maintenance.	Maintenance completed, CEM back in service.
SO2 lb/hr	8/13/2018 8:00 AM	9:59 AM	2 hours	CEM taken out of service for CGA testing.	CGA testing completed, CEM placed back in service.
SO2 lb/hr	8/24/2018 1:00 PM	1:59 PM	1 hour	CEM out of service for maintenance.	Maintenance completed, CEM back in service.
SO2 lb/hr	9/23/2018 1:00 PM	11:59 PM	11 hours	CEM out of service for maintenance.	Maintenance completed, CEM back in service.
SO2 lb/hr	9/24/2018 12:00 AM	5:59 PM	18 hours	CEM out of service for maintenance.	Maintenance completed, CEM back in service.
SO2 lb/hr	9/27/2018 9:00 PM	11:59 PM	3 hours	CEM out of service for maintenance.	Maintenance completed, CEM back in service.
SO2 lb/hr	9/28/2018 12:00 AM	6:59 AM	7 hours	CEM out of service for maintenance.	Maintenance completed, CEM back in service.
SO2 lb/hr	10/7/2018 1:00 AM	1:59 AM	1 hour	Cem Out Of Service for Maintenance	Maintenance complete, CEM back in service
SO2 lb/hr	10/7/2018 1:00 PM	2:59 PM	2 hours	Cem Out Of Service for Maintenance	Maintenance complete, CEM back in service
SO2 lb/hr	10/14/2018 1:00 PM	2:59 PM	2 hours	Cem Out Of Service for Maintenance	Maintenance complete, CEM back in service
SO2 lb/hr	10/14/2018 5:00 PM	11:59 PM	7 hours	Cem Out Of Service for Maintenance	Maintenance complete, CEM back in service
SO2 lb/hr	10/15/2018 12:00 AM	6:59 AM	7 hours	Cem Out Of Service for Maintenance	Maintenance complete, CEM back in service
SO2 lb/hr	11/3/2018 11:00 AM	3:59 PM	5 hours	CEM out of service for maintenance.	Maintenance completed, CEM back in service.
SO2 lb/hr	11/21/2018 8:00 AM	8:59 AM	1 hour	CEM taken out of service for CGA testing.	CGA testing completed, CEM placed back in service.
SO2 lb/hr	11/21/2018 10:00 AM	10:59 AM	1 hour	CEM taken out of service for CGA testing.	CGA testing completed, CEM placed back in service.
SO2 lb/hr	12/4/2018 6:00 AM	8:59 AM	3 hours	CEM out of service for maintenance.	Maintenance completed, CEM back in service.
SO2 lb/hr	12/4/2018 11:00 AM	11:59 AM	1 hour	CEM out of service for maintenance.	Maintenance completed, CEM back in service.

Parameter	Start	End	Duration	Reason	Action
SO2 lb/hr	12/9/2018 1:00 PM	1:59 PM	1 hour	CEM out of service for maintenance.	Maintenance completed, CEM back in service.
SO2 lb/hr	12/14/2018 9:00 AM	10:59 AM	2 hours	CEM out of service for maintenance.	Maintenance completed, CEM back in service.
SO2 lb/hr	12/18/2018 7:00 AM	7:59 AM	1 hour	CEM out of service for maintenance.	Maintenance completed, CEM back in service.
SO2 lb/hr	1/8/2019 1:00 PM	1:59 PM	1 hour	CEM out of service for maintenance.	Maintenance completed, CEM back in service.
SO2 lb/hr	1/10/2019 3:00 AM	6:59 AM	4 hours	CEM out of service for maintenance.	Maintenance completed, CEM back in service.
SO2 lb/hr	1/12/2019 8:00 AM	7:59 PM	12 hours	CEM out of service for maintenance.	Maintenance completed, CEM back in service.
SO2 lb/hr	1/15/2019 2:00 AM	12:59 PM	11 hours	CEM out of service for maintenance.	Maintenance completed, CEM back in service.
Total duration			116 hours		

## Boiler 2 CEMS Downtime

Colmac Energy

CO ppm @3% O2 CEMS Downtime for 8/2/2018 thru 2/2/2019

Parameter	Start	End	Duration	Reason	Action
CO ppm @3% O2	8/11/2018 2:00 AM	7:59 AM	6 hours	CEM out of service for maintenance.	Maintenance completed, CEM back in service.
CO ppm @3% O2	8/11/2018 11:00 AM	11:59 AM	1 hour	CEM out of service for maintenance.	Maintenance completed, CEM back in service.
CO ppm @3% O2	8/13/2018 8:00 AM	9:59 AM	2 hours	CEM taken out of service for CGA testing.	CGA testing completed, CEM placed back in service.
CO ppm @3% O2	8/24/2018 1:00 PM	1:59 PM	1 hour	CEM out of service for maintenance.	Maintenance completed, CEM back in service.
CO ppm @3% O2	9/16/2018 12:00 PM	12:59 PM	1 hour	CEM out of service for maintenance.	Maintenance completed, CEM back in service.
CO ppm @3% O2	9/23/2018 1:00 PM	11:59 PM	11 hours	CEM out of service for maintenance.	Maintenance completed, CEM back in service.
CO ppm @3% O2	9/24/2018 12:00 AM	5:59 PM	18 hours	CEM out of service for maintenance.	Maintenance completed, CEM back in service.
CO ppm @3% O2	9/27/2018 9:00 PM	11:59 PM	3 hours	CEM out of service for maintenance.	Maintenance completed, CEM back in service.
CO ppm @3% O2	9/28/2018 12:00 AM	6:59 AM	7 hours	CEM out of service for maintenance.	Maintenance completed, CEM back in service.
CO ppm @3% O2	10/6/2018 1:00 PM	1:59 PM	1 hour	Cem Out Of Service for Maintenance	Maintenance complete, CEM back in service
CO ppm @3% O2	10/7/2018 1:00 AM	1:59 AM	1 hour	Cem Out Of Service for Maintenance	Maintenance complete, CEM back in service
CO ppm @3% O2	10/7/2018 1:00 PM	2:59 PM	2 hours	Cem Out Of Service for Maintenance	Maintenance complete, CEM back in service
CO ppm @3% O2	10/14/2018 1:00 PM	2:59 PM	2 hours	Cem Out Of Service for Maintenance	Maintenance complete, CEM back in service
CO ppm @3% O2	10/14/2018 5:00 PM	11:59 PM	7 hours	Cem Out Of Service for Maintenance	Maintenance complete, CEM back in service
CO ppm @3% O2	10/15/2018 12:00 AM	6:59 AM	7 hours	Cem Out Of Service for Maintenance	Maintenance complete, CEM back in service
CO ppm @3% O2	10/16/2018 11:00 AM	11:59 AM	1 hour	Cem Out Of Service for Maintenance	Maintenance complete, CEM back in service
CO ppm @3% O2	10/27/2018 1:00 PM	6:59 PM	6 hours	Cem Out Of Service for Maintenance	Maintenance complete, CEM back in service
CO ppm @3% O2	11/1/2018 10:00 PM	10:59 PM	1 hour	CEM out of service for maintenance.	Maintenance completed, CEM back in service.

Parameter	Start	End	Duration	Reason	Action
CO ppm @3% O2	11/3/2018 11:00 AM	6:59 PM	8 hours	CEM out of service for maintenance.	Maintenance completed, CEM back in service.
CO ppm @3% O2	11/3/2018 8:00 PM	8:59 PM	1 hour	CEM out of service for maintenance.	Maintenance completed, CEM back in service.
CO ppm @3% O2	11/21/2018 8:00 AM	8:59 AM	1 hour	CEM taken out of service for CGA testing.	CGA testing completed, CEM placed back in service.
CO ppm @3% O2	11/21/2018 10:00 AM	10:59 AM	1 hour	CEM taken out of service for CGA testing.	CGA testing completed, CEM placed back in service.
CO ppm @3% O2	11/30/2018 4:00 PM	7:59 PM	4 hours	CEM out of service for maintenance.	Maintenance completed, CEM back in service.
CO ppm @3% O2	12/1/2018 1:00 PM	4:59 PM	4 hours	CEM out of service for maintenance.	Maintenance completed, CEM back in service.
CO ppm @3% O2	12/2/2018 1:00 PM	2:59 PM	2 hours	CEM out of service for maintenance.	Maintenance completed, CEM back in service.
CO ppm @3% O2	12/4/2018 6:00 AM	8:59 AM	3 hours	CEM out of service for maintenance.	Maintenance completed, CEM back in service.
CO ppm @3% O2	12/7/2018 4:00 PM	6:59 PM	3 hours	CEM out of service for maintenance.	Maintenance completed, CEM back in service.
CO ppm @3% O2	12/7/2018 10:00 PM	10:59 PM	1 hour	CEM out of service for maintenance.	Maintenance completed, CEM back in service.
CO ppm @3% O2	12/8/2018 3:00 AM	6:59 AM	4 hours	CEM out of service for maintenance.	Maintenance completed, CEM back in service.
CO ppm @3% O2	12/8/2018 3:00 PM	3:59 PM	1 hour	CEM out of service for maintenance.	Maintenance completed, CEM back in service.
CO ppm @3% O2	12/8/2018 5:00 PM	11:59 PM	7 hours	CEM out of service for maintenance.	Maintenance completed, CEM back in service.
CO ppm @3% O2	12/9/2018 12:00 AM	1:59 PM	14 hours	CEM out of service for maintenance.	Maintenance completed, CEM back in service.
CO ppm @3% O2	12/13/2018 4:00 PM	10:59 PM	7 hours	CEM out of service for maintenance.	Maintenance completed, CEM back in service.
CO ppm @3% O2	12/14/2018 12:00 AM	1:59 AM	2 hours	CEM out of service for maintenance.	Maintenance completed, CEM back in service.
CO ppm @3% O2	12/14/2018 9:00 AM	10:59 AM	2 hours	CEM out of service for maintenance.	Maintenance completed, CEM back in service.
CO ppm @3% O2	1/5/2019 1:00 PM	3:59 PM	3 hours	CEM out of service for maintenance.	Maintenance completed, CEM back in service.
CO ppm @3% O2	1/10/2019 5:00 AM	6:59 AM	2 hours	CEM out of service for maintenance.	Maintenance completed, CEM back in service.
CO ppm @3% O2	1/12/2019 8:00 AM	7:59 PM	12 hours	CEM out of service for maintenance.	Maintenance completed, CEM back in service.

Parameter	Start	End	Duration	Reason	Action
CO ppm @3% O2	1/15/2019 2:00 AM	11:59 AM	10 hours	CEM out of service for maintenance.	Maintenance completed, CEM back in service.
CO ppm @3% O2	2/2/2019 1:00 PM	2:59 PM	2 hours	CEM out of service for maintenance.	Maintenance complete, CEM back in service.
Total duration			172 hours		

## Boiler 2 CEMS Downtime

Colmac Energy

CO lb/hr CEMS Downtime for 8/2/2018 thru 2/2/2019

Parameter	Start	End	Duration	Reason	Action
CO lb/hr	8/11/2018 2:00 AM	12:59 PM	11 hours	CEM out of service for maintenance.	Maintenance completed, CEM back in service.
CO lb/hr	8/11/2018 2:00 PM	2:59 PM	1 hour	CEM out of service for maintenance.	Maintenance completed, CEM back in service.
CO lb/hr	8/13/2018 8:00 AM	9:59 AM	2 hours	CEM taken out of service for CGA testing.	CGA testing completed, CEM placed back in service.
CO lb/hr	8/24/2018 1:00 PM	1:59 PM	1 hour	CEM out of service for maintenance.	Maintenance completed, CEM back in service.
CO lb/hr	9/16/2018 12:00 PM	12:59 PM	1 hour	CEM out of service for maintenance.	Maintenance completed, CEM back in service.
CO lb/hr	9/23/2018 1:00 PM	11:59 PM	11 hours	CEM out of service for maintenance.	Maintenance completed, CEM back in service.
CO lb/hr	9/24/2018 12:00 AM	6:59 AM	7 hours	CEM out of service for maintenance.	Maintenance completed, CEM back in service.
CO lb/hr	9/24/2018 7:00 AM	7:59 AM	1 hour	<i>Not specified</i>	Maintenance completed, CEM back in service.
CO lb/hr	9/24/2018 8:00 AM	5:59 PM	10 hours	CEM out of service for maintenance.	Maintenance completed, CEM back in service.
CO lb/hr	9/28/2018 5:00 AM	6:59 AM	2 hours	CEM out of service for maintenance.	Maintenance completed, CEM back in service.
CO lb/hr	10/6/2018 1:00 PM	1:59 PM	1 hour	Cem Out Of Service for Maintenance	Maintenance complete, CEM back in service
CO lb/hr	10/7/2018 1:00 AM	1:59 AM	1 hour	Cem Out Of Service for Maintenance	Maintenance complete, CEM back in service
CO lb/hr	10/7/2018 1:00 PM	2:59 PM	2 hours	Cem Out Of Service for Maintenance	Maintenance complete, CEM back in service
CO lb/hr	10/14/2018 1:00 PM	2:59 PM	2 hours	Cem Out Of Service for Maintenance	Maintenance complete, CEM back in service
CO lb/hr	10/14/2018 5:00 PM	11:59 PM	7 hours	Cem Out Of Service for Maintenance	Maintenance complete, CEM back in service
CO lb/hr	10/15/2018 12:00 AM	6:59 AM	7 hours	Cem Out Of Service for Maintenance	Maintenance complete, CEM back in service
CO lb/hr	10/16/2018 11:00 AM	11:59 AM	1 hour	Cem Out Of Service for Maintenance	Maintenance complete, CEM back in service
CO lb/hr	11/3/2018 11:00 AM	3:59 PM	5 hours	CEM out of service for maintenance.	Maintenance completed, CEM back in service.

Parameter	Start	End	Duration	Reason	Action
CO lb/hr	11/3/2018 8:00 PM	8:59 PM	1 hour	CEM out of service for maintenance.	Maintenance completed, CEM back in service.
CO lb/hr	11/21/2018 8:00 AM	8:59 AM	1 hour	CEM taken out of service for CGA testing.	CGA testing completed, CEM placed back in service.
CO lb/hr	11/21/2018 10:00 AM	10:59 AM	1 hour	CEM taken out of service for CGA testing.	CGA testing completed, CEM placed back in service.
CO lb/hr	11/30/2018 4:00 PM	7:59 PM	4 hours	CEM out of service for maintenance.	Maintenance completed, CEM back in service.
CO lb/hr	12/1/2018 1:00 PM	4:59 PM	4 hours	CEM out of service for maintenance.	Maintenance completed, CEM back in service.
CO lb/hr	12/4/2018 6:00 AM	8:59 AM	3 hours	CEM out of service for maintenance.	Maintenance completed, CEM back in service.
CO lb/hr	12/4/2018 11:00 AM	11:59 AM	1 hour	CEM out of service for maintenance.	Maintenance completed, CEM back in service.
CO lb/hr	12/7/2018 10:00 PM	10:59 PM	1 hour	CEM out of service for maintenance.	Maintenance completed, CEM back in service.
CO lb/hr	12/8/2018 3:00 PM	3:59 PM	1 hour	CEM out of service for maintenance.	Maintenance completed, CEM back in service.
CO lb/hr	12/8/2018 5:00 PM	7:59 PM	3 hours	CEM out of service for maintenance.	Maintenance completed, CEM back in service.
CO lb/hr	12/9/2018 4:00 AM	1:59 PM	10 hours	CEM out of service for maintenance.	Maintenance completed, CEM back in service.
CO lb/hr	12/14/2018 12:00 AM	1:59 AM	2 hours	CEM out of service for maintenance.	Maintenance completed, CEM back in service.
CO lb/hr	12/14/2018 9:00 AM	10:59 AM	2 hours	CEM out of service for maintenance.	Maintenance completed, CEM back in service.
CO lb/hr	12/18/2018 7:00 AM	7:59 AM	1 hour	CEM out of service for maintenance.	Maintenance completed, CEM back in service.
CO lb/hr	1/5/2019 1:00 PM	3:59 PM	3 hours	CEM out of service for maintenance.	Maintenance completed, CEM back in service.
CO lb/hr	1/8/2019 1:00 PM	1:59 PM	1 hour	CEM out of service for maintenance.	Maintenance completed, CEM back in service.
CO lb/hr	1/10/2019 3:00 AM	6:59 AM	4 hours	CEM out of service for maintenance.	Maintenance completed, CEM back in service.
CO lb/hr	1/12/2019 8:00 AM	7:59 PM	12 hours	CEM out of service for maintenance.	Maintenance completed, CEM back in service.
CO lb/hr	1/15/2019 2:00 AM	12:59 PM	11 hours	CEM out of service for maintenance.	Maintenance completed, CEM back in service.
CO lb/hr	2/2/2019 1:00 PM	2:59 PM	2 hours	CEM out of service for maintenance.	Maintenance complete, CEM back in service.

Parameter	Start	End	Duration	Reason	Action
Total duration			141 hours		

# Boilers Stack CEMS Downtime

Colmac Energy

Opacity % 6-Min Avg CEMS Downtime for 8/2/2018 thru 2/2/2019

Parameter	Start	End	Duration	Reason	Action
Opacity % 6-Min Avg	8/8/2018 11:30 AM	11:35 AM	6 minutes	<i>Not specified</i>	
Opacity % 6-Min Avg	8/10/2018 5:36 AM	5:47 AM	12 minutes	Cleaned and cailbrated opacity monitor at stack.	Completed calibration and placed back in service.
Opacity % 6-Min Avg	8/22/2018 6:42 AM	6:53 AM	12 minutes	Cleaned and cailbrated opacity monitor at stack.	Completed calibration and placed back in service.
Opacity % 6-Min Avg	8/22/2018 7:48 AM	8:35 AM	48 minutes	Cleaned and cailbrated opacity monitor at stack.	Completed calibration and placed back in service.
Opacity % 6-Min Avg	8/22/2018 8:48 AM	11:29 AM	2 hours, 42 minutes	Cleaned and cailbrated opacity monitor at stack.	Completed calibration and placed back in service.
Opacity % 6-Min Avg	8/22/2018 11:36 AM	11:59 PM	12 hours, 24 minutes	Cleaned and cailbrated opacity monitor at stack.	Completed calibration and placed back in service.
Opacity % 6-Min Avg	8/23/2018 12:00 AM	1:29 AM	1 hour, 30 minutes	Cleaned and cailbrated opacity monitor at stack.	Completed calibration and placed back in service.
Opacity % 6-Min Avg	9/20/2018 8:36 AM	11:29 AM	2 hours, 54 minutes	Cleaned and cailbrated opacity monitor at stack.	Completed calibration and placed back in service.
Opacity % 6-Min Avg	9/20/2018 11:42 AM	1:05 PM	1 hour, 24 minutes	Cleaned and cailbrated opacity monitor at stack.	Completed calibration and placed back in service.
Opacity % 6-Min Avg	9/21/2018 12:30 AM	11:29 AM	11 hours	Cleaned and cailbrated opacity monitor at stack.	Completed calibration and placed back in service.
Opacity % 6-Min Avg	9/21/2018 11:42 AM	1:23 PM	1 hour, 42 minutes	Cleaned and cailbrated opacity monitor at stack.	Completed calibration and placed back in service.
Opacity % 6-Min Avg	9/22/2018 11:42 AM	12:17 PM	36 minutes	Cleaned and cailbrated opacity monitor at stack.	Completed calibration and placed back in service.
Opacity % 6-Min Avg	9/25/2018 9:06 AM	9:17 AM	12 minutes	Cleaned and cailbrated opacity monitor at stack.	Cleaned and cailbrated opacity monitor at stack.
Opacity % 6-Min Avg	9/25/2018 9:30 AM	9:41 AM	12 minutes	Cleaned and cailbrated opacity monitor at stack.	Cleaned and cailbrated opacity monitor at stack.
Opacity % 6-Min Avg	9/25/2018 10:12 AM	10:17 AM	6 minutes	Cleaned and cailbrated opacity monitor at stack.	Cleaned and cailbrated opacity monitor at stack.
Opacity % 6-Min Avg	10/1/2018 7:06 AM	7:17 AM	12 minutes	Calibrating stack opacity monitor.	Calibration complete, monitor back in service.
Opacity % 6-Min Avg	10/1/2018 9:00 AM	10:05 AM	1 hour, 6 minutes	Calibrating stack opacity monitor.	Calibration complete, monitor back in service.
Opacity % 6-Min Avg	10/1/2018 11:00 AM	11:29 AM	30 minutes	Calibrating stack opacity monitor.	Calibration complete, monitor back in service.
Opacity % 6-Min Avg	10/1/2018 11:42 AM	11:59 PM	12 hours, 18 minutes	Calibrating stack opacity monitor.	Calibration complete, monitor back in service.

Parameter	Start	End	Duration	Reason	Action
Opacity % 6-Min Avg	10/2/2018 12:00 AM	10:59 AM	11 hours	Calibrating stack opacity monitor.	Calibration complete, monitor back in service.
Opacity % 6-Min Avg	10/2/2018 10:00 PM	11:59 PM	2 hours	Calibrating stack opacity monitor.	Calibration complete, monitor back in service.
Opacity % 6-Min Avg	10/3/2018 12:00 AM	6:53 AM	6 hours, 54 minutes	Calibrating stack opacity monitor.	Calibration complete, monitor back in service.
Opacity % 6-Min Avg	10/3/2018 9:00 AM	10:59 AM	2 hours	Calibrating stack opacity monitor.	Calibration complete, monitor back in service.
Opacity % 6-Min Avg	10/3/2018 11:12 AM	11:29 AM	18 minutes	Calibrating stack opacity monitor.	Calibration complete, monitor back in service.
Opacity % 6-Min Avg	10/3/2018 10:00 PM	11:59 PM	2 hours	Calibrating stack opacity monitor.	Calibration complete, monitor back in service.
Opacity % 6-Min Avg	10/4/2018 12:00 AM	9:11 AM	9 hours, 12 minutes	Calibrating stack opacity monitor.	Calibration complete, monitor back in service.
Opacity % 6-Min Avg	10/4/2018 11:12 AM	10:11 PM	11 hours	Calibrating stack opacity monitor.	Calibration complete, monitor back in service.
Opacity % 6-Min Avg	10/5/2018 9:00 AM	9:47 AM	48 minutes	Calibrating stack opacity monitor.	Calibration complete, monitor back in service.
Opacity % 6-Min Avg	10/5/2018 11:12 AM	3:41 PM	4 hours, 30 minutes	Calibrating stack opacity monitor.	Calibration complete, monitor back in service.
Opacity % 6-Min Avg	10/5/2018 10:00 PM	10:11 PM	12 minutes	Calibrating stack opacity monitor.	Calibration complete, monitor back in service.
Opacity % 6-Min Avg	10/10/2018 9:42 AM	10:29 AM	48 minutes	Calibrating stack opacity monitor.	Calibration complete, monitor back in service.
Opacity % 6-Min Avg	10/10/2018 10:36 AM	10:59 AM	24 minutes	Calibrating stack opacity monitor.	Calibration complete, monitor back in service.
Opacity % 6-Min Avg	10/10/2018 11:12 AM	1:11 PM	2 hours	Calibrating stack opacity monitor.	Calibration complete, monitor back in service.
Opacity % 6-Min Avg	10/10/2018 2:18 PM	2:23 PM	6 minutes	Calibrating stack opacity monitor.	Calibration complete, monitor back in service.
Opacity % 6-Min Avg	10/10/2018 3:30 PM	3:41 PM	12 minutes	Calibrating stack opacity monitor.	Calibration complete, monitor back in service.
Opacity % 6-Min Avg	10/11/2018 7:54 AM	8:05 AM	12 minutes	Calibrating stack opacity monitor.	Calibration complete, monitor back in service.
Opacity % 6-Min Avg	10/11/2018 11:12 AM	9:17 PM	10 hours, 6 minutes	Calibrating stack opacity monitor.	Calibration complete, monitor back in service.
Opacity % 6-Min Avg	12/14/2018 2:30 PM	3:47 PM	1 hour, 18 minutes	Calibrating stack opacity monitor.	Calibration complete, monitor back in service.
Opacity % 6-Min Avg	12/17/2018 8:06 AM	8:17 AM	12 minutes	Calibrating stack opacity monitor.	Calibration complete, monitor back in service.

Parameter	Start	End	Duration	Reason	Action
Opacity % 6-Min Avg	12/24/2018 12:30 AM	12:35 AM	6 minutes	Calibrating stack opacity monitor.	Calibration complete, monitor back in service.
Opacity % 6-Min Avg	12/24/2018 12:42 AM	12:47 AM	6 minutes	Calibrating stack opacity monitor.	Calibration complete, monitor back in service.
Opacity % 6-Min Avg	12/24/2018 1:06 AM	1:17 AM	12 minutes	Calibrating stack opacity monitor.	Calibration complete, monitor back in service.
Opacity % 6-Min Avg	12/24/2018 1:54 AM	2:05 AM	12 minutes	Calibrating stack opacity monitor.	Calibration complete, monitor back in service.
Opacity % 6-Min Avg	12/24/2018 2:30 AM	2:35 AM	6 minutes	Calibrating stack opacity monitor.	Calibration complete, monitor back in service.
Opacity % 6-Min Avg	12/24/2018 3:54 AM	3:59 AM	6 minutes	Calibrating stack opacity monitor.	Calibration complete, monitor back in service.
Opacity % 6-Min Avg	12/24/2018 4:30 AM	4:35 AM	6 minutes	Calibrating stack opacity monitor.	Calibration complete, monitor back in service.
Opacity % 6-Min Avg	12/24/2018 4:42 AM	5:11 AM	30 minutes	Calibrating stack opacity monitor.	Calibration complete, monitor back in service.
Opacity % 6-Min Avg	12/24/2018 5:18 AM	5:23 AM	6 minutes	Calibrating stack opacity monitor.	Calibration complete, monitor back in service.
Opacity % 6-Min Avg	12/24/2018 5:30 AM	5:35 AM	6 minutes	Calibrating stack opacity monitor.	Calibration complete, monitor back in service.
Opacity % 6-Min Avg	12/24/2018 6:24 AM	6:35 AM	12 minutes	Calibrating stack opacity monitor.	Calibration complete, monitor back in service.
Opacity % 6-Min Avg	12/24/2018 7:18 AM	7:29 AM	12 minutes	Calibrating stack opacity monitor.	Calibration complete, monitor back in service.
Opacity % 6-Min Avg	12/26/2018 11:30 AM	11:53 AM	24 minutes	Calibrating stack opacity monitor.	Calibration complete, monitor back in service.
Opacity % 6-Min Avg	12/31/2018 7:12 AM	7:17 AM	6 minutes	<i>Not specified</i>	
Opacity % 6-Min Avg	1/31/2019 2:30 PM	4:35 PM	2 hours, 6 minutes	Opacity monitor out of service for maintenance.	Maintenance complete, opacity monitor back in service.
Total duration			119 hours, 54 minutes		



South Coast Air Quality Management District

**Form 500-N**

**Title V - Deviations, Emergencies & Breakdowns**

\*This written report is in addition to requirements to verbally report certain types of incidents. Verbal reports may be made by calling AQMD at 1-800-288-7664 (1-800-CUT-SMOG) or AQMD enforcement personnel.

Mail To:  
SCAQMD  
P.O. Box 4941  
Diamond Bar, CA 91765-0941

Tel: (909) 396-3385  
www.aqmd.gov

**Section I - Operator Information**

1. Facility Name (Business Name of Operator That Appears On Permit): <u>Desertt View Power</u>		2. Valid AQMD Facility ID (Available On Permit Or Invoice Issued By AQMD): <u>100154</u>	
3. Address: (where incident occurred) <u>62-300 Gene Welmas Dr.</u> <u>Mecca</u> City		State <u>CA</u> Zip <u>92254</u>	
4. Mailing Address: (if different from Item 3) <u>Same as above</u> Street Address		City _____ State _____ Zip _____	
5. Provide the name, title, and phone number of the person to contact for further information:  <u>Kevin Lawrence</u> <u>Operations MGR.</u> Name      Title      Phone #			

**Section II - Reporting of Breakdowns, Deviations, and Emergencies**

1. This written notification is to report a(n):		
Type of Incident	Verbal Report Due*	Written Report Due
a. <input type="checkbox"/> Emergency under Rule 3002(g)	Within 1 hour of discovery	Within 2 working days from when the emission limit was exceeded.
b. <input type="checkbox"/> Breakdown under: <input type="checkbox"/> Rule 430 (Non-RECLAIM) <input type="checkbox"/> Rule 2004 (RECLAIM) <input type="checkbox"/> Rule 218 (Non-RECLAIM) [See Rule 218(f)(3)]	For Rules 430 & 2004 - Within 1 hour of discovery.  For Rule 218 - Within 24 hours or next business day for failure/shutdown exceeding 24 hours	For Rules 430 & 2004 - Within 7 calendar days after breakdown is corrected, but no later than 30 days from start of the breakdown, unless a written extension is granted.  For Rule 218 - With required semi-annual reports.
c. <input type="checkbox"/> Deviation with excess emissions [See Title V Permit, Section K, Condition No. 22B]	Within 72 hours of discovery of the deviation or shorter reporting period if required by an applicable State or Federal Regulation.	Within 14 days of discovery of the deviation.
d. <input checked="" type="checkbox"/> Other Deviation [See Title V Permit, Section K, Condition Nos. 22D & 23]	None	With required semi-annual monitoring reports.
2. The incident was first discovered by: <u>William Contreras</u> on <u>08/19/2018</u> <u>09:00</u> <input type="radio"/> AM <input checked="" type="radio"/> PM Name Date Time		
3. The incident was first reported by: _____ on <u>08/20/2018</u> <u>01:45</u> <input checked="" type="radio"/> AM <input type="radio"/> PM a. <input checked="" type="radio"/> Via Phone Name of AQMD Staff Person Date Time b. <input type="radio"/> In Person Notification Number (Required): <u>526471</u>		
4. When did the incident actually occur? <u>08/19/2018</u> <u>09:00</u> <input type="radio"/> AM <input checked="" type="radio"/> PM Date Time		

AQMD USE ONLY	Received By:		Assigned By:		Inspector:	
	Date/Time Received:		Date/Time Assigned:		Date/Time Received Assignment:	
	Date Delivered To Team:		Date Reviewed Inspector Report:		Date Inspected Facility:	
	Team:	Sector:	Breakdown/Deviation Notification No.		Date Completed Report:	
	Recommended Action:		Cancel Notification   Grant Relief   Issue NOV No. _____ Other: _____			
	Final Action:		Cancel Notification   Grant Relief   Issue NOV No. _____ Other: _____			

5. Has the incident stopped? a. ☒ Yes, on: 08/19/2018 11:00 ☐ AM ☒ PM b. ☐ No

6. What was the total duration of the incident? 0 02  
Days Hours

7. For equipment with an operating cycle, as defined in Rule 430 (b)(3)(A), when was the end of the operating cycle during which the incident occurred? \_\_\_\_\_  
Date Time ☐ AM ☒ PM

8. Describe the incident and identify each piece of equipment (by permit, application, or device number) affected. Attach photos (when available) of the affected equipment and attach additional pages as necessary.  
Unit #1 CEM So2 exceedences. So2 3% O2 3/HR rolling exceedences, So2 LBS/HR 3 HR rolling exceedences.

9. The incident may have resulted in a:  
a. ☒ Violation of Permit Condition(s): EPA permit CB-OP 99-01 II.A. Emission Limits SO2 limits.  
b. ☐ Violation of AQMD Rule(s): \_\_\_\_\_

10. What was the probable cause of the incident? Attach additional pages as necessary.  
Boiler one fuel trip. The limestone system tripped off with the fuel trip. The operator restarted the limestone system. This resulted in 2 separate exceedences. SO2 lbs/hr 14.0 lb/hr and SO2 ppm @ 3% O2 31.0

11. Did the incident result in excess emissions? ☐ No ☒ Yes (Complete the following and attach calculations.)  
☐ VOC \_\_\_\_\_ lbs ☐ NOx \_\_\_\_\_ lbs ☒ SOx 14.000 lbs ☐ H2S \_\_\_\_\_ lbs  
☐ CO \_\_\_\_\_ lbs ☐ PM \_\_\_\_\_ lbs ☒ Other: 31.000 lbs \_\_\_\_\_ pollutant

12. For RECLAIM facilities Subject to Rule 2004 (f)(3) ONLY: If excess emissions of NOx and/or SOx were reported in Item 11, do you want these emissions to be counted when determining compliance with your annual allocations?  
a. ☐ Yes, for: ☐ NOx ☐ SOx b. ☐ No, for: ☐ NOx ☐ SOx  
If box 12(b) above is checked, include all information specified in Rule 2004(f)(3)(B) and (C), as applicable.

13. Describe the steps taken to correct the problem (i.e., steps taken to mitigate excess emissions, equipment repairs, etc.) and the preventative measures employed to avoid future incidents. Include photos of the failed equipment if available and attach additional pages as necessary.  
Started the limestone system. Place the CEM back to normal operation after a boiler trip.

14. Was the facility operating properly prior to the incident?  
a. ☒ Yes b. ☐ No, because: \_\_\_\_\_

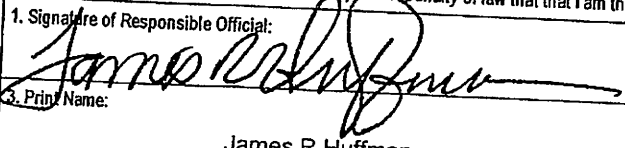
15. Did the incident result from operator error, neglect or improper operation or maintenance procedures?  
a. ☐ Yes b. ☒ No, because: \_\_\_\_\_

16. Has the facility returned to compliance?  
a. ☐ No, because: \_\_\_\_\_  
b. ☒ Yes (Attach evidence such as emissions calculations, contemporaneous operating logs or other credible evidence.)

**Section III - Certification Statement**

I certify under penalty of law that based on information and belief formed after reasonable inquiry, the statements and information in this document and in all attachments and other materials are true, accurate, and complete.

For Title V Facilities ONLY: ☒ I also certify under penalty of law that I am the responsible official for this facility as defined in AQMD Regulation XXX.

1. Signature of Responsible Official: 	2. Title of Responsible Official: VP of California Operations? Plant Manager
3. Print Name: James R Huffman	4. Date: 08/20/2018
5. Phone #: (760) 393-1308	6. Fax #:
7. Address of Responsible Official: 62-300 Gene Welmas Dr Street # City Mecca CA 92254 State Zip	

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## Boiler 1 Excess Emissions

Colmac Energy

SO2 lb/hr 3-Hr Rolling Excess Emissions for 8/19/2018

Parameter	Start	End	Duration	Value	Min	Max	Limit	Reason	Action
SO2 lb/hr 3-Hr Rolling	8/19/2018 10:00 PM	11:59 PM	2 hours	14.0	13.0	15.0	12	Limestone not restarted after trip	Restarted system
Total duration			2 hours						

## Boiler 1 Excess Emissions

Colmac Energy

SO2 ppm @3% O2 3-Hr Rolling Excess Emissions for 8/19/2018

Parameter	Start	End	Duration	Value	Min	Max	Limit	Reason	Action
SO2 ppm @3% O2 3-Hr Rolling	8/19/2018 9:00 PM	11:59 PM	3 hours	31.0	27.0	35.0	27	Limestone not restarted after trip	Restarted system
Total duration			3 hours						

**Colmac Energy**  
Mecca, CA  
**Boiler 1 Daily Emissions Report**  
August 19, 2018

Emission Limits	
<i>Daily</i>	<i>30-Day Rolling</i>
NOx lbs- 648	NOx lb/mmBtu - 0.3
	SO2 lb/mmBtu - 1.2

Hour	O2%	NOx ppm	NOx ppm @3% O2	NOx lb/mmBtu	NOx lbs	SO2 ppm	SO2 ppm @3% O2	SO2 lb/mmBtu	SO2 lbs	CO ppm	CO ppm @3% O2	CO lb/mmBtu	CO lbs	Process Status
00	10.5	48.7	83.8	0.117	25.72	7.2	12.4	0.024	5.27	10.0	17.2	0.015	3.21	Normal
01	10.1	49.6	82.2	0.115	24.44	10.2	16.9	0.033	7.06	10.0	16.6	0.014	3.02	Normal
02	10.3	47.9	80.9	0.113	24.72	6.2	10.5	0.020	4.44	10.0	16.9	0.014	3.14	Normal
03	9.5	50.4	79.1	0.110	25.26	8.2	12.9	0.025	5.74	10.0	15.7	0.013	3.06	Normal
04	9.4	54.1	84.2	0.117	26.77	10.5	16.3	0.032	7.19	10.2	15.9	0.013	3.07	Normal
05	9.4	53.2	82.8	0.116	26.56	11.3	17.6	0.034	7.86	10.6	16.5	0.014	3.21	Normal
06	10.1	50.6	83.9	0.117	25.44	8.9	14.8	0.029	6.25	10.0	16.6	0.014	3.06	Normal
07	10.3	46.8	79.0	0.110	23.55	11.0	18.6	0.036	7.72	10.0	16.9	0.014	3.05	Normal
08	10.3	51.5	87.0	0.121	26.50	13.1	22.1	0.043	9.44	10.0	16.9	0.014	3.14	Normal
09	10.2	32.4	54.2	0.076	16.78	7.0	11.7	0.023	5.03	10.0	16.7	0.014	3.13	Normal
10	10.2	42.7	71.4	0.100	21.02	10.3	17.2	0.033	6.98	10.0	16.7	0.014	2.98	Normal
11	10.1	44.5	73.8	0.103	25.69	13.0	21.5	0.042	10.50	10.0	16.6	0.014	3.50	Normal
12	10.2	48.2	80.6	0.113	25.53	9.7	16.2	0.032	7.15	10.0	16.7	0.014	3.23	Normal
13	10.0	50.2	82.4	0.115	24.74	7.8	12.8	0.025	5.34	10.0	16.4	0.014	3.01	Normal
14	10.0	52.4	86.1	0.120	26.47	10.1	16.6	0.032	7.13	10.0	16.4	0.014	3.08	Normal
15	9.5	49.6	77.9	0.109	26.32	9.8	15.4	0.030	7.25	10.4	16.3	0.014	3.36	Normal
16	10.1	46.3	76.7	0.107	24.30	7.5	12.4	0.024	5.49	10.0	16.6	0.014	3.20	Normal
17	9.9	50.8	82.7	0.115	25.72	9.3	15.1	0.029	6.53	10.0	16.3	0.014	3.09	Normal
18	9.5	52.3	82.1	0.115	26.43	11.3	17.7	0.034	7.95	10.1	15.9	0.013	3.10	Normal
19	10.1	49.8	82.5	0.115	25.16	10.1	16.7	0.032	7.16	10.3	17.1	0.014	3.17	Startup
20	10.5	51.0	87.8	0.122	26.56	15.8	27.2	0.053	11.41	10.0	17.2	0.015	3.17	Startup
21	9.9	52.0	84.6	0.118	27.08	23.3	37.9	0.074	16.87	10.0	16.3	0.014	3.17	Startup
22	10.1	49.6	82.2	0.115	25.30	24.7	40.9	0.079	17.56	10.0	16.6	0.014	3.11	Startup
23	10.3	50.4	85.1	0.119	26.23	5.1	8.6	0.017	3.71	10.0	16.9	0.014	3.16	Startup
Average	10.0	49.0	80.5	0.112		10.9	17.9	0.035		10.1	16.6	0.014		
Total					602.29				187.03				75.4	
30-Day Ring				0.082				0.023						
365-Day Ring								49514						



South Coast Air Quality Management District

# **Form 500-N**

## **Title V - Deviations, Emergencies & Breakdowns**

\*This written report is in addition to requirements to verbally report certain types of incidents. Verbal reports may be made by calling AQMD at 1-800-288-7664 (1-800-CUT-SMOG) or AQMD enforcement personnel.

Mail To:  
SCAQMD  
P.O. Box 4941  
Diamond Bar, CA 91765-0941

Tel: (909) 396-3385  
www.aqmd.gov

### **Section I - Operator Information**

1. Facility Name (Business Name of Operator That Appears On Permit): <u>William Contreras</u>		2. Valid AQMD Facility ID (Available On Permit Or Invoice Issued By AQMD): <u>100154</u>	
3. Address: (where incident occurred) <u>62-300Gene Welmas Dr.</u> <u>Mecca</u> City		Street Address <u>CA</u> State <u>92254</u> Zip	
4. Mailing Address: (if different from Item 3) <u>Same</u> Street Address City		State Zip	
5. Provide the name, title, and phone number of the person to contact for further information: <u>Kevin Lawrence</u> Name <u>Operations Manager</u> Title <u>(760) 262-1645</u> Phone #			

### **Section II - Reporting of Breakdowns, Deviations, and Emergencies**

1. This written notification is to report a(n):			
Type of Incident	Verbal Report Due*	Written Report Due	
a. <input type="checkbox"/> Emergency under Rule 3002(g)	Within 1 hour of discovery	Within 2 working days from when the emission limit was exceeded.	
b. <input type="checkbox"/> Breakdown under:		For Rules 430 & 2004 - Within 7 calendar days after breakdown is corrected, but no later than 30 days from start of the breakdown, unless a written extension is granted.	
<input type="checkbox"/> Rule 430 (Non-RECLAIM)	For Rules 430 & 2004 - Within 1 hour of discovery.		
<input type="checkbox"/> Rule 2004 (RECLAIM)			
<input type="checkbox"/> Rule 218 (Non-RECLAIM) [See Rule 218(f)(3)]	For Rule 218 - Within 24 hours or next business day for failure/shutdown exceeding 24 hours	For Rule 218 - With required semi-annual reports.	
c. <input checked="" type="checkbox"/> Deviation with excess emissions [See Title V Permit, Section K, Condition No. 22B]	Within 72 hours of discovery of the deviation or shorter reporting period if required by an applicable State or Federal Regulation.	Within 14 days of discovery of the deviation.	
d. <input type="checkbox"/> Other Deviation [See Title V Permit, Section K, Condition Nos. 22D & 23]	None	With required semi-annual monitoring reports.	
2. The incident was first discovered by: <u>William Contreras</u> on <u>08/24/2018</u> <u>04:00</u> <input type="radio"/> AM <input checked="" type="radio"/> PM Name Date Time			
3. The incident was first reported by: <u>Operator 10</u> on <u>08/24/2018</u> <u>05:52</u> <input type="radio"/> AM <input checked="" type="radio"/> PM Name of AQMD Staff Person Date Time			
a. <input checked="" type="radio"/> Via Phone			
b. <input type="radio"/> In Person			
Notification Number (Required): <u>527503</u>			
4. When did the incident actually occur? <u>08/24/2018</u> <u>04:00</u> <input type="radio"/> AM <input checked="" type="radio"/> PM Date Time			

AQMD USE ONLY	Received By:		Assigned By:		Inspector:	
	Date/Time Received:		Date/Time Assigned:		Date/Time Received Assignment:	
	Date Delivered To Team:		Date Reviewed Inspector Report:		Date Inspected Facility:	
	Team:	Sector:	Breakdown/Deviation Notification No.		Date Completed Report:	
	Recommended Action:		Cancel Notification		Grant Relief	
	Final Action:		Cancel Notification		Grant Relief	
		Issue NOV No. _____		Other: _____		
		Issue NOV No. _____		Other: _____		

5. Has the incident stopped? a. ☒ Yes, on: 08/24/2018 05:00 ☐ AM ☒ PM b. ☐ No
6. What was the total duration of the incident? 0 01  
Days Hours
7. For equipment with an operating cycle, as defined in Rule 430 (b)(3)(A), when was the end of the operating cycle during which the incident occurred? \_\_\_\_\_  
Date Time ☐ AM ☐ PM
8. Describe the incident and identify each piece of equipment (by permit, application, or device number) affected. Attach photos (when available) of the affected equipment and attach additional pages as necessary.  
Fuel had high SO2 resulting in SO2 LBS/HR 3HR rolling exceedence of 12.5 lb/hr with a limit of 12.0 lb/hr.

9. The incident may have resulted in a:  
a. ☒ Violation of Permit Condition(s): EPA permit CB-OP 99 Section II.A.15  
b. ☐ Violation of AQMD Rule(s): \_\_\_\_\_
10. What was the probable cause of the incident? Attach additional pages as necessary.  
CEM went into calibration with high SO2 lb/hr and resulted in high SO2 coming out of calibration along with high SO2 in fuel.

11. Did the incident result in excess emissions? ☐ No ☒ Yes (Complete the following and attach calculations.)  
☐ VOC \_\_\_\_\_ lbs ☐ NOx \_\_\_\_\_ lbs ☒ SOx 12.500 lbs ☐ H2S \_\_\_\_\_ lbs  
☐ CO \_\_\_\_\_ lbs ☐ PM \_\_\_\_\_ lbs ☐ Other: \_\_\_\_\_ lbs \_\_\_\_\_ pollutant
12. For RECLAIM facilities Subject to Rule 2004 (i)(3) ONLY: If excess emissions of NOx and/or SOx were reported in Item 11, do you want these emissions to be counted when determining compliance with your annual allocations?  
a. ☐ Yes, for: ☐ NOx ☐ SOx b. ☐ No, for: ☐ NOx ☐ SOx

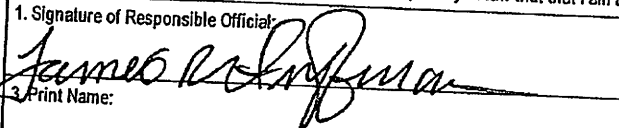
- If box 12(b) above is checked, include all information specified in Rule 2004(i)(3)(B) and (C), as applicable.
13. Describe the steps taken to correct the problem (i.e., steps taken to mitigate excess emissions, equipment repairs, etc.) and the preventative measures employed to avoid future incidents. Include photos of the failed equipment if available and attach additional pages as necessary.  
Reduced fuel feed to the boiler. Increased air flow. Increased limestone feed into the boiler. Reduced combustor temps.  
Started feeding fuel from a different location.

14. Was the facility operating properly prior to the incident?  
a. ☒ Yes b. ☐ No, because: \_\_\_\_\_
15. Did the incident result from operator error, neglect or improper operation or maintenance procedures?  
a. ☐ Yes b. ☒ No, because: \_\_\_\_\_
16. Has the facility returned to compliance?  
a. ☐ No, because: \_\_\_\_\_  
b. ☒ Yes (Attach evidence such as emissions calculations, contemporaneous operating logs or other credible evidence.)

### Section III - Certification Statement

I certify under penalty of law that based on information and belief formed after reasonable inquiry, the statements and information in this document and in all attachments and other materials are true, accurate, and complete.

For Title V Facilities ONLY: ☒ I also certify under penalty of law that I am the responsible official for this facility as defined in AQMD Regulation XXX.

1. Signature of Responsible Official: 	2. Title of Responsible Official: Vice President of California Operations/Plant Manager
3. Print Name: James Russell Huffman	4. Date: 08/27/2018
5. Phone #: (760) 393-1308	6. Fax #:
7. Address of Responsible Official: 62-300 Gene Welmas Drive Street # City State Zip Mecca CA 92254	

**Colmac Energy**  
Mecca, CA  
**Boiler 2 Daily Emissions Report**  
August 24, 2018

Emission Limits	
<i>Daily</i>	<i>30-Day Rolling</i>
NOx lbs- 648	NOx lb/mmBtu - 0.3
	SO2 lb/mmBtu - 1.2

Hour	O2%	NOx ppm	NOx ppm @3% O2	NOx lb/mmBtu	NOx lbs	SO2 ppm	SO2 ppm @3% O2	SO2 lb/mmBtu	SO2 lbs	CO ppm	CO ppm @3% O2	CO lb/mmBtu	CO lbs	Process Status
00	9.1	36.6	55.5	0.077	24.79	9.4	14.3	0.028	8.89	10.0	15.2	0.013	4.12	Normal
01	9.1	38.9	59.0	0.082	26.18	13.4	20.3	0.039	12.48	10.0	15.2	0.013	4.09	Normal
02	9.2	40.0	61.2	0.085	27.21	12.4	19.0	0.037	11.73	10.0	15.3	0.013	4.14	Normal
03	9.3	38.6	59.6	0.083	26.32	5.4	8.3	0.016	5.09	10.0	15.4	0.013	4.16	Normal
04	9.3	39.9	61.6	0.086	26.91	8.4	13.0	0.025	7.84	10.0	15.4	0.013	4.11	Normal
05	9.2	37.9	58.0	0.081	25.99	6.9	10.6	0.020	6.59	10.0	15.3	0.013	4.17	Normal
06	9.2	37.6	57.5	0.080	25.80	9.4	14.4	0.028	9.00	10.0	15.3	0.013	4.18	Normal
07	9.2	39.4	60.3	0.084	27.06	7.9	12.1	0.023	7.57	10.0	15.3	0.013	4.19	Normal
08	9.0	38.6	58.1	0.081	26.55	9.3	14.0	0.027	8.91	10.0	15.0	0.013	4.18	Normal
09	9.0	38.0	57.2	0.080	26.18	7.5	11.3	0.022	7.21	10.0	15.0	0.013	4.20	Normal
10	8.9	40.1	59.8	0.083	27.31	10.0	14.9	0.029	9.50	10.0	14.9	0.013	4.15	Normal
11	9.0	38.3	57.6	0.080	26.23	9.4	14.1	0.027	8.93	10.0	15.0	0.013	4.17	Normal
12	8.9	35.7	53.3	0.074	23.70	7.5	11.2	0.022	6.89	10.0	14.9	0.013	4.04	Normal
13	OOO	OOO	OOO	OOO	OOO	OOO	OOO	OOO	OOO	OOO	OOO	OOO	OOO	Normal
14	9.3	20.4	31.5	0.044	14.91	16.3	25.2	0.049	16.76	10.0	15.4	0.013	4.45	Normal
15	9.8	28.3	45.6	0.064	19.55	12.3	19.8	0.039	11.77	10.0	16.1	0.014	4.20	Normal
16	10.6	31.5	54.7	0.076	21.65	9.3	16.2	0.031	8.93	10.0	17.4	0.015	4.19	Normal
17	10.7	39.4	69.1	0.096	27.18	5.5	9.7	0.019	5.24	10.0	17.5	0.015	4.20	Normal
18	9.4	39.1	60.9	0.085	26.60	7.7	12.0	0.023	7.27	10.0	15.6	0.013	4.14	Normal
19	9.5	40.2	63.1	0.088	27.07	11.5	18.1	0.035	10.79	10.0	15.7	0.013	4.10	Normal
20	9.2	37.9	58.0	0.081	25.81	8.3	12.7	0.025	7.83	10.0	15.3	0.013	4.14	Normal
21	9.0	39.4	59.3	0.083	26.91	8.8	13.2	0.026	8.33	10.0	15.0	0.013	4.16	Normal
22	9.0	35.2	52.9	0.074	23.85	10.4	15.6	0.030	9.75	10.0	15.0	0.013	4.12	Normal
23	9.1	39.4	59.8	0.083	26.90	9.9	15.0	0.029	9.40	10.0	15.2	0.013	4.15	Normal
Average Total	9.3	37.0	57.1	0.080		9.4	14.6	0.028		10.0	15.5	0.013		
30-Day Ring				0.080	580.66			0.025	206.70				95.8	
365-Day Ring									55007					

## Boiler 2 Excess Emissions

Colmac Energy

SO2 lb/hr 3-Hr Rolling Excess Emissions for 8/24/2018

Parameter	Start	End	Duration	Value	Min	Max	Limit	Reason	Action
SO2 lb/hr 3-Hr Rolling	8/24/2018 4:00 PM	4:59 PM	1 hour	13.0	13.0	13.0	12	<i>Not specified</i>	
Total duration			1 hour						

5. Has the incident stopped? a. ☒ Yes, on: 11/13/2018 02:00 ☐ AM ☒ PM b. ☐ No
6. What was the total duration of the incident? 0 01  
Days Hours
7. For equipment with an operating cycle, as defined in Rule 430 (b)(3)(A), when was the end of the operating cycle during which the incident occurred? 11/13/2018 01:00 ☐ AM ☒ PM
8. Describe the incident and identify each piece of equipment (by permit, application, or device number) affected. Attach photos (when available) of the affected equipment and attach additional pages as necessary.  
We were experiencing higher Nox averages for the two hours preceding the daily CEM calibration. Immediately after calibration the NOx was incredibly high due to the source of fuel being fed. This inflated the last hour's NOx average.
9. The incident may have resulted in a:  
a. ☒ Violation of Permit Condition(s): EPA Permit CB-OP 99-01 II.A.15  
b. ☐ Violation of AQMD Rule(s): \_\_\_\_\_
10. What was the probable cause of the incident? Attach additional pages as necessary.  
As a result of the higher NOx averages for the first two hours and the inflated NOx average in the third hour because the CEM calibration our three hour average exceeded the limit. The limit is 30 lbs/hr we exceeded at 30.52 lbs/hr.
11. Did the incident result in excess emissions? ☐ No ☒ Yes (Complete the following and attach calculations.)  
☐ VOC \_\_\_\_\_ lbs ☒ NOx 30.520 lbs ☐ SOx \_\_\_\_\_ lbs ☐ H2S \_\_\_\_\_ lbs  
☐ CO \_\_\_\_\_ lbs ☐ PM \_\_\_\_\_ lbs ☐ Other: \_\_\_\_\_ lbs \_\_\_\_\_ pollutant
12. For RECLAIM facilities Subject to Rule 2004 (i)(3) ONLY: If excess emissions of NOx and/or SOx were reported in Item 11, do you want these emissions to be counted when determining compliance with your annual allocations?  
a. ☐ Yes, for: ☐ NOx ☐ SOx b. ☐ No, for: ☐ NOx ☐ SOx  
If box 12(b) above is checked, include all information specified in Rule 2004(i)(3)(B) and (C), as applicable.
13. Describe the steps taken to correct the problem (i.e., steps taken to mitigate excess emissions, equipment repairs, etc.) and the preventative measures employed to avoid future incidents. Include photos of the failed equipment if available and attach additional pages as necessary.  
Reduced fuel feed, lowered furnace combustor outlet temperature, increased ammonia flow, increased boiler O2 and air flow, and changed fuel source.
14. Was the facility operating properly prior to the incident?  
a. ☒ Yes b. ☐ No, because: \_\_\_\_\_
15. Did the incident result from operator error, neglect or improper operation or maintenance procedures?  
a. ☐ Yes b. ☒ No, because: \_\_\_\_\_
16. Has the facility returned to compliance?  
a. ☐ No, because: \_\_\_\_\_  
b. ☒ Yes (Attach evidence such as emissions calculations, contemporaneous operating logs or other credible evidence.)

### Section III - Certification Statement

I certify under penalty of law that based on information and belief formed after reasonable inquiry, the statements and information in this document and in all attachments and other materials are true, accurate, and complete.

For Title V Facilities ONLY: ☒ I also certify under penalty of law that I am the responsible official for this facility as defined in AQMD Regulation XXX.

1. Signature of Responsible Official:



2. Title of Responsible Official:

VP CALIFORNIA OPERATIONS

3. Print Name:

James R. HUFFMAN

4. Date:

11/15/2018

5. Phone #:

760-393-1308

6. Fax #:

7. Address of Responsible Official:

62300 GENE WELMAS

MECCA

CA 92253



South Coast Air Quality Management District

**Form 500-N**

**Title V - Deviations, Emergencies & Breakdowns**

\*This written report is in addition to requirements to verbally report certain types of incidents. Verbal reports may be made by calling AQMD at 1-800-288-7664 (1-800-CUT-SMOG) or AQMD enforcement personnel.

Mail To:  
SCAQMD  
P.O. Box 4941  
Diamond Bar, CA 91765-0941

Tel: (909) 396-3385  
www.aqmd.gov

**Section I - Operator Information**

1. Facility Name (Business Name of Operator That Appears On Permit): <b>Desert View Power</b>		2. Valid AQMD Facility ID (Available On Permit Or Invoice Issued By AQMD): <b>100154</b>	
3. Address: (where incident occurred) <b>62-300 Gene Welmas Dr.</b> <b>Mecca</b> City		Street Address <b>CA</b> State <b>92254</b> Zip	
4. Mailing Address: (if different from Item 3) <b>Same As Above</b> Street Address City State Zip			
5. Provide the name, title, and phone number of the person to contact for further information: <b>Louie Lopez</b> Name <b>Shift Supervisor</b> Title <b>(760) 262-1645</b> Phone #			

**Section II - Reporting of Breakdowns, Deviations, and Emergencies**

1. This written notification is to report a(n):			
Type of Incident	Verbal Report Due*	Written Report Due	
a. <input type="checkbox"/> Emergency under Rule 3002(g)	Within 1 hour of discovery	Within 2 working days from when the emission limit was exceeded.	
b. <input type="checkbox"/> Breakdown under: <input type="checkbox"/> Rule 430 (Non-RECLAIM) <input type="checkbox"/> Rule 2004 (RECLAIM) <input type="checkbox"/> Rule 218 (Non-RECLAIM) [See Rule 218(f)(3)]	For Rules 430 & 2004 - Within 1 hour of discovery.  For Rule 218 - Within 24 hours or next business day for failure/shutdown exceeding 24 hours	For Rules 430 & 2004 - Within 7 calendar days after breakdown is corrected, but no later than 30 days from start of the breakdown, unless a written extension is granted.  For Rule 218 - With required semi-annual reports.	
c. <input checked="" type="checkbox"/> Deviation with excess emissions [See Title V Permit, Section K, Condition No. 22B]	Within 72 hours of discovery of the deviation or shorter reporting period if required by an applicable State or Federal Regulation.	Within 14 days of discovery of the deviation.	
d. <input type="checkbox"/> Other Deviation [See Title V Permit, Section K, Condition Nos. 22D & 23]	None	With required semi-annual monitoring reports.	
2. The incident was first discovered by: <b>Louie Lopez</b> on <b>11/13/2018</b> <b>01:00</b> <input type="radio"/> AM <input checked="" type="radio"/> PM Name Date Time			
3. The incident was first reported by: <b>Operator #12</b> on <b>11/13/2018</b> <b>01:27</b> <input type="radio"/> AM <input checked="" type="radio"/> PM Name of AQMD Staff Person Date Time a. <input checked="" type="radio"/> Via Phone b. <input type="radio"/> In Person Notification Number (Required): <b>537975</b>			
4. When did the incident actually occur? <b>11/13/2018</b> <b>01:00</b> <input type="radio"/> AM <input checked="" type="radio"/> PM Date Time			

AQMD USE ONLY	Received By:		Assigned By:		Inspector:	
	Date/Time Received:		Date/Time Assigned:		Date/Time Received Assignment:	
	Date Delivered To Team:		Date Reviewed Inspector Report:		Date Inspected Facility:	
	Team:	Sector:	Breakdown/Deviation Notification No.		Date Completed Report:	
	Recommended Action:		Cancel Notification	Grant Relief	Issue NOV No. _____	Other: _____
	Final Action:		Cancel Notification	Grant Relief	Issue NOV No. _____	Other: _____

## Boiler 1 Excess Emissions

Colmac Energy

NOx lb/hr 3-Hr Rolling Excess Emissions for 11/13/2018

Parameter	Start	End	Duration	Value	Min	Max	Limit	Reason	Action
NOx lb/hr 3-Hr Rolling	11/13/2018 12:00 PM	12:59 PM	1 hour	31.0	31.0	31.0	30	<i>Not specified</i>	
Total duration			1 hour						

**Colmac Energy**  
Mecca, CA  
**Boiler 1 Daily Emissions Report**  
November 13, 2018

Emission Limits	
<i>Daily</i>	<i>30-Day Rolling</i>
NOx lbs- 648	NOx lb/mmBtu - 0.3
	SO2 lb/mmBtu - 1.2

Hour	O2%	NOx ppm	NOx ppm @3% O2	NOx lb/mmBtu	NOx lbs	SO2 ppm	SO2 ppm @3% O2	SO2 lb/mmBtu	SO2 lbs	CO ppm	CO ppm @3% O2	CO lb/mmBtu	CO lbs	Process Status
00	9.6	41.2	65.3	0.091	26.84	9.7	15.4	0.030	8.81	10.0	15.8	0.013	3.97	Normal
01	9.6	41.9	66.4	0.093	27.53	9.5	15.0	0.029	8.65	10.0	15.8	0.013	3.99	Normal
02	9.8	38.0	61.3	0.086	24.70	10.3	16.6	0.032	9.34	10.0	16.1	0.014	3.95	Normal
03	9.8	39.1	63.1	0.088	25.48	7.9	12.7	0.025	7.12	10.0	16.1	0.014	3.98	Normal
04	9.9	40.2	65.4	0.091	26.20	9.5	15.5	0.030	8.60	10.0	16.3	0.014	3.97	Normal
05	9.9	38.6	62.8	0.088	25.05	11.6	18.9	0.037	10.44	10.0	16.3	0.014	3.95	Normal
06	10.2	39.6	66.2	0.092	25.33	10.6	17.7	0.034	9.48	10.0	16.7	0.014	3.90	Normal
07	10.1	42.7	70.8	0.099	27.69	5.8	9.6	0.019	5.20	10.0	16.6	0.014	3.94	Normal
08	10.0	40.1	65.9	0.092	25.58	8.9	14.6	0.028	7.88	10.0	16.4	0.014	3.88	Normal
09	10.5	39.8	68.5	0.096	24.99	10.9	18.8	0.036	9.55	10.0	17.2	0.015	3.82	Normal
10	10.2	42.0	70.3	0.098	26.87	10.1	16.9	0.033	8.99	10.0	16.7	0.014	3.89	Normal
11	9.8	52.6	84.8	0.118	38.08	8.1	13.1	0.025	8.17	10.0	16.1	0.014	4.33	Normal
12	10.1	40.6	67.3	0.094	26.61	7.0	11.6	0.023	6.38	10.0	16.6	0.014	3.99	Normal
13	Inval	Inval	Inval	Inval	Inval	Inval	Inval	Inval	Inval	Inval	Inval	Inval	Inval	Normal
14	Inval	Inval	Inval	Inval	Inval	Inval	Inval	Inval	Inval	Inval	Inval	Inval	Inval	Normal
15	Inval	Inval	Inval	Inval	Inval	Inval	Inval	Inval	Inval	Inval	Inval	Inval	Inval	Normal
16	Inval	Inval	Inval	Inval	Inval	Inval	Inval	Inval	Inval	Inval	Inval	Inval	Inval	Normal
17	Inval	Inval	Inval	Inval	Inval	Inval	Inval	Inval	Inval	Inval	Inval	Inval	Inval	Normal
18	Inval	Inval	Inval	Inval	Inval	Inval	Inval	Inval	Inval	Inval	Inval	Inval	Inval	Normal
19	Inval	Inval	Inval	Inval	Inval	Inval	Inval	Inval	Inval	Inval	Inval	Inval	Inval	Normal
20	Inval	Inval	Inval	Inval	Inval	Inval	Inval	Inval	Inval	Inval	Inval	Inval	Inval	Normal
21	Inval	Inval	Inval	Inval	Inval	Inval	Inval	Inval	Inval	Inval	Inval	Inval	Inval	Normal
22	Inval	Inval	Inval	Inval	Inval	Inval	Inval	Inval	Inval	Inval	Inval	Inval	Inval	Normal
23	Inval	Inval	Inval	Inval	Inval	Inval	Inval	Inval	Inval	Inval	Inval	Inval	Inval	Normal
Average Total	10.0	41.3	67.5	0.094		9.2	15.1	0.029		10.0	16.4	0.014		
30-Day Ring				0.087	350.95			0.027	108.61				51.6	
365-Day Ring									51985					



South Coast Air Quality Management District

**Form 500-N****Title V - Deviations, Emergencies & Breakdowns**

\*This written report is in addition to requirements to verbally report certain types of incidents. Verbal reports may be made by calling AQMD at 1-800-288-7664 (1-800-CUT-SMOG) or AQMD enforcement personnel.

Mail To:  
SCAQMD  
P.O. Box 4941  
Diamond Bar, CA 91765-0941

Tel: (909) 396-3385  
www.aqmd.gov

**Section I - Operator Information**

1. Facility Name (Business Name of Operator That Appears On Permit): <u>Desert View Power</u>		2. Valid AQMD Facility ID (Available On Permit Or Invoice Issued By AQMD): <u>100154</u>	
3. Address: (where incident occurred) <u>62-300 Gene Welmas Drive</u> <u>Mecca</u> City		Street Address <u>CA</u> State <u>92254-0758</u> Zip	
4. Mailing Address: (if different from Item 3) <u>Same as above</u> City		Street Address State Zip	
5. Provide the name, title, and phone number of the person to contact for further information: <u>Kevin Lawrence</u> Name <u>Operations Manager</u> Title <u>(760) 262-1644</u> Phone #			

**Section II - Reporting of Breakdowns, Deviations, and Emergencies**

1. This written notification is to report a(n):		
Type of Incident	Verbal Report Due*	Written Report Due
a. <input type="checkbox"/> Emergency under Rule 3002(g)	Within 1 hour of discovery	Within 2 working days from when the emission limit was exceeded.
b. <input checked="" type="checkbox"/> Breakdown under: <input checked="" type="checkbox"/> Rule 430 (Non-RECLAIM) <input type="checkbox"/> Rule 2004 (RECLAIM) <input type="checkbox"/> Rule 218 (Non-RECLAIM) [See Rule 218(f)(3)]	For Rules 430 & 2004 - Within 1 hour of discovery.  For Rule 218 - Within 24 hours or next business day for failure/shutdown exceeding 24 hours	For Rules 430 & 2004 - Within 7 calendar days after breakdown is corrected, but no later than 30 days from start of the breakdown, unless a written extension is granted.  For Rule 218 - With required semi-annual reports.
c. <input checked="" type="checkbox"/> Deviation with excess emissions [See Title V Permit, Section K, Condition No. 22B]	Within 72 hours of discovery of the deviation or shorter reporting period if required by an applicable State or Federal Regulation.	Within 14 days of discovery of the deviation.
d. <input type="checkbox"/> Other Deviation [See Title V Permit, Section K, Condition Nos. 22D & 23]	None	With required semi-annual monitoring reports.
2. The incident was first discovered by: <u>Joe Pedroza</u> on <u>12/04/2018</u> <u>01:00</u> <input checked="" type="radio"/> AM <input type="radio"/> PM Name Date Time		
3. The incident was first reported by: <u>Operator #7</u> on <u>12/04/2018</u> <u>01:12</u> <input checked="" type="radio"/> AM <input type="radio"/> PM Name of AQMD Staff Person Date Time		
a. <input checked="" type="radio"/> Via Phone b. <input type="radio"/> In Person		
Notification Number (Required): <u>540164</u>		
4. When did the incident actually occur? <u>12/04/2018</u> <u>00:00</u> <input checked="" type="radio"/> AM <input type="radio"/> PM Date Time		

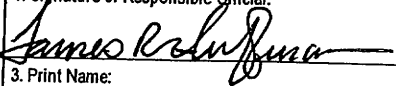
AQMD USE ONLY	Received By:		Assigned By:		Inspector:	
	Date/Time Received:		Date/Time Assigned:		Date/Time Received Assignment:	
	Date Delivered To Team:		Date Reviewed Inspector Report:		Date Inspected Facility:	
	Team:	Sector:	Breakdown/Deviation Notification No.		Date Completed Report:	
	Recommended Action:		Cancel Notification	Grant Relief	Issue NOV No. _____	Other: _____
Final Action:		Cancel Notification	Grant Relief	Issue NOV No. _____	Other: _____	

5. Has the incident stopped? a. ☒ Yes, on: 12/04/2018 05:59 ☒ AM ☐ PM b. ☐ No  
Date Time
6. What was the total duration of the incident? 0 06  
Days Hours
7. For equipment with an operating cycle, as defined in Rule 430 (b)(3)(A), when was the end of the operating cycle during which the incident occurred? 12/04/2018 06:00 ☒ AM ☐ PM  
Date Time
8. Describe the incident and identify each piece of equipment (by permit, application, or device number) affected. Attach photos (when available) of the affected equipment and attach additional pages as necessary.  
The diaphragm on the high pressure nitrogen regulator failed. The nitrogen is used to booster sample gas pressures. When this failed the density of the sample gasses were increasing causing a false high CO reading.
9. The incident may have resulted in a:  
a. ☐ Violation of Permit Condition(s):  
b. ☒ Violation of AQMD Rule(s):
10. What was the probable cause of the incident? Attach additional pages as necessary.  
High pressure nitrogen regulator's diaphragm failure was the cause of the incident.
11. Did the incident result in excess emissions? ☐ No ☒ Yes (Complete the following and attach calculations.)  
☐ VOC \_\_\_\_\_ lbs ☐ NOx \_\_\_\_\_ lbs ☐ SOx \_\_\_\_\_ lbs ☐ H2S \_\_\_\_\_ lbs  
☒ CO 14.000 lbs ☐ PM \_\_\_\_\_ lbs ☐ Other: \_\_\_\_\_ lbs pollutant
12. For RECLAIM facilities Subject to Rule 2004 (i)(3) ONLY: If excess emissions of NOx and/or SOx were reported in Item 11, do you want these emissions to be counted when determining compliance with your annual allocations?  
a. ☐ Yes, for: ☐ NOx ☐ SOx b. ☐ No, for: ☐ NOx ☐ SOx  
If box 12(b) above is checked, include all information specified in Rule 2004(i)(3)(B) and (C), as applicable.
13. Describe the steps taken to correct the problem (i.e., steps taken to mitigate excess emissions, equipment repairs, etc.) and the preventative measures employed to avoid future incidents. Include photos of the failed equipment if available and attach additional pages as necessary.  
Replaced pressure regulator and calibrated system
14. Was the facility operating properly prior to the incident?  
a. ☒ Yes b. ☐ No, because:
15. Did the incident result from operator error, neglect or improper operation or maintenance procedures?  
a. ☐ Yes b. ☒ No, because: equipment failure
16. Has the facility returned to compliance?  
a. ☐ No, because:  
b. ☒ Yes (Attach evidence such as emissions calculations, contemporaneous operating logs or other credible evidence.)

### Section III: Certification Statement

I certify under penalty of law that based on information and belief formed after reasonable inquiry, the statements and information in this document and in all attachments and other materials are true, accurate, and complete.

For Title V Facilities ONLY: ☒ I also certify under penalty of law that that I am the responsible official for this facility as defined in AQMD Regulation XXX.

1. Signature of Responsible Official: 	2. Title of Responsible Official: <u>VP California Operations</u>
3. Print Name: <u>JAMES R HUFFMAN</u>	4. Date: <u>12/8/2018</u>
5. Phone #: <u>760 262 1653</u>	6. Fax #:
7. Address of Responsible Official: Street # _____ City _____ State _____ Zip _____	

## Boiler 2 Excess Emissions

Colmac Energy

CO lb/hr 3-Hr Rolling Excess Emissions for 12/4/2018

Parameter	Start	End	Duration	Value	Min	Max	Limit	Reason	Action
CO lb/hr 3-Hr Rolling	12/4/2018 12:00 AM	5:59 AM	6 hours	14.0	13.0	14.0	13	<i>Not specified</i>	
Total duration			6 hours						



South Coast Air Quality Management District

**Form 500-N****Title V - Deviations, Emergencies & Breakdowns**

\*This written report is in addition to requirements to verbally report certain types of incidents. Verbal reports may be made by calling AQMD at 1-800-288-7664 (1-800-CUT-SMOG) or AQMD enforcement personnel.

Mail To:  
SCAQMD  
P.O. Box 4941  
Diamond Bar, CA 91765-0941

Tel: (909) 396-3385  
www.aqmd.gov

**Section I - Operator Information**

1. Facility Name (Business Name of Operator That Appears On Permit): <u>Desert View Power</u>		2. Valid AQMD Facility ID (Available On Permit Or Invoice Issued By AQMD): <u>100154</u>	
3. Address: (where incident occurred) <u>62-300 Gene Welmas Drive</u> <u>Mecca</u> City		CA State	<u>92254-0758</u> Zip
4. Mailing Address: (if different from Item 3) <u>Same as Above</u> City		State	Zip
5. Provide the name, title, and phone number of the person to contact for further information: <u>Kevin Lawrence</u> <u>Operations Manager</u> <u>(760) 262-1644</u> Name      Title      Phone #			

**Section II - Reporting of Breakdowns, Deviations, and Emergencies**

1. This written notification is to report a(n):		Verbal Report Due*	Written Report Due
Type of Incident			
a. <input type="checkbox"/> Emergency under Rule 3002(g)		Within 1 hour of discovery	Within 2 working days from when the emission limit was exceeded.
b. <input type="checkbox"/> Breakdown under: <input type="checkbox"/> Rule 430 (Non-RECLAIM) <input type="checkbox"/> Rule 2004 (RECLAIM) <input type="checkbox"/> Rule 218 (Non-RECLAIM) [See Rule 218(f)(3)]		For Rules 430 & 2004 - Within 1 hour of discovery.  For Rule 218 - Within 24 hours or next business day for failure/shutdown exceeding 24 hours	For Rules 430 & 2004 - Within 7 calendar days after breakdown is corrected, but no later than 30 days from start of the breakdown, unless a written extension is granted.  For Rule 218 - With required semi-annual reports.
c. <input checked="" type="checkbox"/> Deviation with excess emissions [See Title V Permit, Section K, Condition No. 22B]		Within 72 hours of discovery of the deviation or shorter reporting period if required by an applicable State or Federal Regulation.	Within 14 days of discovery of the deviation.
d. <input type="checkbox"/> Other Deviation [See Title V Permit, Section K, Condition Nos. 22D & 23]		None	With required semi-annual monitoring reports.
2. The incident was first discovered by: <u>Joe Pedroza</u> Name		on <u>12/09/2018</u> Date	<u>10:00</u> Time <input checked="" type="radio"/> AM <input type="radio"/> PM
3. The incident was first reported by: <u>Operator #7</u> Name of AQMD Staff Person		on <u>12/09/2018</u> Date	<u>10:11</u> Time <input checked="" type="radio"/> AM <input type="radio"/> PM
a. <input checked="" type="radio"/> Via Phone		Notification Number (Required): <u>540826</u>	
b. <input type="radio"/> In Person			
4. When did the incident actually occur? <u>12/09/2018</u> Date		<u>09:00</u> Time	<input checked="" type="radio"/> AM <input type="radio"/> PM

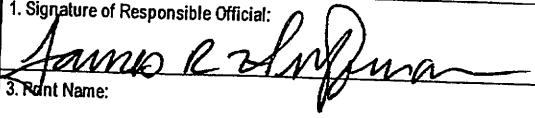
AQMD USE ONLY	Received By:		Assigned By:		Inspector:	
	Date/Time Received:		Date/Time Assigned:		Date/Time Received Assignment:	
	Date Delivered To Team:		Date Reviewed Inspector Report:		Date Inspected Facility:	
	Team:	Sector:	Breakdown/Deviation Notification No.		Date Completed Report:	
	Recommended Action:		Cancel Notification	Grant Relief	Issue NOV No. _____	Other: _____
	Final Action:		Cancel Notification	Grant Relief	Issue NOV No. _____	Other: _____

5. Has the incident stopped? a. ☒ Yes, on: 12/09/2018 10:00 ☒ AM ☐ PM b. ☐ No
6. What was the total duration of the incident? 0 01  
Days Hours
7. For equipment with an operating cycle, as defined in Rule 430 (b)(3)(A), when was the end of the operating cycle during which the incident occurred? \_\_\_\_\_ ☐ AM ☐ PM
8. Describe the incident and identify each piece of equipment (by permit, application, or device number) affected. Attach photos (when available) of the affected equipment and attach additional pages as necessary.  
With the heavy rain We've had the boiler is requiring more fuel and with that overfeeding We fed fuel containing higher Sulfur impurities at higher rate then normal which spiked So2 emissions above the rate of our counter measures for a short period.
9. The incident may have resulted in a:  
a. ☒ Violation of Permit Condition(s): EPA Permit CB-OP 99-01 Section 2.A.1  
b. ☐ Violation of AQMD Rule(s): \_\_\_\_\_
10. What was the probable cause of the incident? Attach additional pages as necessary.  
Combustion of fuel with Sulfur impurities
11. Did the incident result in excess emissions? ☐ No ☒ Yes (Complete the following and attach calculations.)  
☐ VOC \_\_\_\_\_ lbs ☐ NOx \_\_\_\_\_ lbs ☒ SOx 12.300 lbs ☐ H2S \_\_\_\_\_ lbs  
☐ CO \_\_\_\_\_ lbs ☐ PM \_\_\_\_\_ lbs ☐ Other: \_\_\_\_\_ lbs \_\_\_\_\_ pollutant
12. For RECLAIM facilities Subject to Rule 2004 (i)(3) ONLY: If excess emissions of NOx and/or SOx were reported in Item 11, do you want these emissions to be counted when determining compliance with your annual allocations?  
a. ☐ Yes, for: ☐ NOx ☐ SOx b. ☐ No, for: ☐ NOx ☐ SOx  
If box 12(b) above is checked, include all information specified in Rule 2004(i)(3)(B) and (C), as applicable.
13. Describe the steps taken to correct the problem (i.e., steps taken to mitigate excess emissions, equipment repairs, etc.) and the preventative measures employed to avoid future incidents. Include photos of the failed equipment if available and attach additional pages as necessary.  
Reduced wood system speed, raised mass air flow through production fans causing excess O2 to rise. Also overfed limestone causing the desulfurization of flue gas.
14. Was the facility operating properly prior to the incident?  
a. ☒ Yes b. ☐ No, because: \_\_\_\_\_
15. Did the incident result from operator error, neglect or improper operation or maintenance procedures?  
a. ☐ Yes b. ☒ No, because: All systems were operating within normal parameters
16. Has the facility returned to compliance?  
a. ☐ No, because: \_\_\_\_\_  
b. ☒ Yes (Attach evidence such as emissions calculations, contemporaneous operating logs or other credible evidence.)

### Section III - Certification Statement

I certify under penalty of law that based on information and belief formed after reasonable inquiry, the statements and information in this document and in all attachments and other materials are true, accurate, and complete.

For Title V Facilities ONLY: ☒ I also certify under penalty of law that I am the responsible official for this facility as defined in AQMD Regulation XXX.

1. Signature of Responsible Official: 	2. Title of Responsible Official: <u>Vice President of California Operation/Facility Manager</u>
3. Print Name: <u>James Russell Huffman</u>	4. Date: <u>12/10/2018</u>
5. Phone #: <u>(760) 262-1653</u>	6. Fax #:
7. Address of Responsible Official: <u>62-300 Gene Welmas Drive</u> Street # <u>Mecca</u> City <u>CA</u> State <u>92254</u> Zip	

## Boiler 1 Excess Emissions

Colmac Energy

SO2 lb/hr 3-Hr Rolling Excess Emissions for 12/9/2018

Parameter	Start	End	Duration	Value	Min	Max	Limit	Reason	Action
SO2 lb/hr 3-Hr Rolling	12/9/2018 9:00 AM	9:59 AM	1 hour	12.0	12.0	12.0	12	<i>Not specified</i>	
Total duration			1 hour						

**Colmac Energy**  
Mecca, CA  
**Boiler 1 Daily Compliance Report**  
December 9, 2018

Emission Limits		
<b>3-Hr Rolling</b>	<b>Daily</b>	<b>30-Day Rolling</b>
NOx ppm @15% O <sub>2</sub> - 94	NOx lbs/hr - 30	NOx lb/mmBtu - 0.3
SO <sub>2</sub> ppm @15% O <sub>2</sub> - 27	SO <sub>2</sub> lb/hr - 12	SO <sub>2</sub> lb/mmBtu - 1.2
CO ppm @15% O <sub>2</sub> - 231	CO lb/hr - 13	SO <sub>2</sub> ppm @3% O <sub>2</sub> - 17.4

Hour	3-Hr Ring NOx ppm @3% O <sub>2</sub>	NOx lb/mmBtu	3-Hr Ring NOx lb/hr	SO <sub>2</sub> ppm @3% O <sub>2</sub>	3-Hr Ring SO <sub>2</sub> ppm @3% O <sub>2</sub>	SO <sub>2</sub> lb/mmBtu	3-Hr Ring SO <sub>2</sub> lb/hr	3-Hr Ring CO ppm @3% O <sub>2</sub>	3-Hr Ring CO lb/hr	Process Status
00	58.5	0.076	24.8	10.3	12.9	0.020	7.6	14.7	3.8	Normal
01	56.6	0.074	23.8	13.3	12.5	0.026	7.3	15.6	4.0	Normal
02	55.6	0.083	23.5	13.8	12.5	0.027	7.3	16.9	4.3	Normal
03	57.0	0.082	24.2	11.7	12.9	0.023	7.6	17.9	4.6	Normal
04	48.8	0.039	21.0	7.7	11.1	0.015	6.6	17.9	4.7	Normal
05	44.9	0.067	19.0	14.8	11.4	0.029	6.6	17.8	4.6	Normal
06	37.1	0.049	15.2	8.0	10.2	0.016	5.8	18.5	4.6	Normal
07	48.3	0.086	20.0	14.8	12.5	0.029	7.2	19.0	4.8	Normal
08	52.9	0.086	21.8	27.1	16.6	0.053	9.6	18.6	4.7	Normal
09	63.8	0.095	26.0	23.2	21.7	0.045	12.3	17.3	4.3	Normal
10	65.8	0.095	25.7	11.0	20.4	0.021	11.3	16.5	4.0	Normal
11	68.1	0.096	26.1	8.4	14.2	0.016	7.6	16.5	3.9	Normal
12	70.4	0.104	28.2	7.9	9.1	0.015	5.0	Cal	Cal	Normal
13	62.3	0.061	26.3	22.5	12.9	0.044	7.9	Cal	Cal	Normal
14	59.4	0.084	26.3	14.0	14.8	0.027	9.2	Cal	Cal	Normal
15	53.9	0.081	23.9	8.2	14.9	0.016	9.3	15.1	4.1	Normal
16	59.8	0.085	26.1	13.7	12.0	0.027	7.3	15.0	4.0	Normal
17	59.3	0.082	25.9	13.5	11.8	0.026	7.2	14.9	4.0	Normal
18	60.2	0.085	26.2	10.6	12.6	0.021	7.6	14.9	4.0	Normal
19	56.4	0.070	24.5	11.6	11.9	0.023	7.2	14.8	3.9	Normal
20	57.0	0.084	24.5	14.8	12.3	0.029	7.4	14.7	3.8	Normal
21	56.1	0.081	24.0	14.7	13.7	0.029	8.2	14.6	3.8	Normal
22	58.9	0.081	25.5	15.7	15.1	0.031	9.1	15.1	4.0	Normal
23	48.9	0.043	21.1	12.5	14.3	0.024	8.6	17.2	4.5	Normal
30-Day Ring		0.084		13.8		0.027				Normal